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STATE OF ILLINOIS

STATE HIGHWAY DEPARTMENT

BULLETIN NO. 14

# Materials Available for Highway Construction in Illinois

Prepared by

F. L. ROMAN

Testing Engineer, Illinois State Highway Department

Springfield, Illinois, March, 1917

[Printed by authority of the State of Illinois.]

ILLINOIS STATE GEOLOGICAL SURVEY
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Testing Engineer, Illinois State Highway Department

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Springfield, Illinois.

March, 1917.

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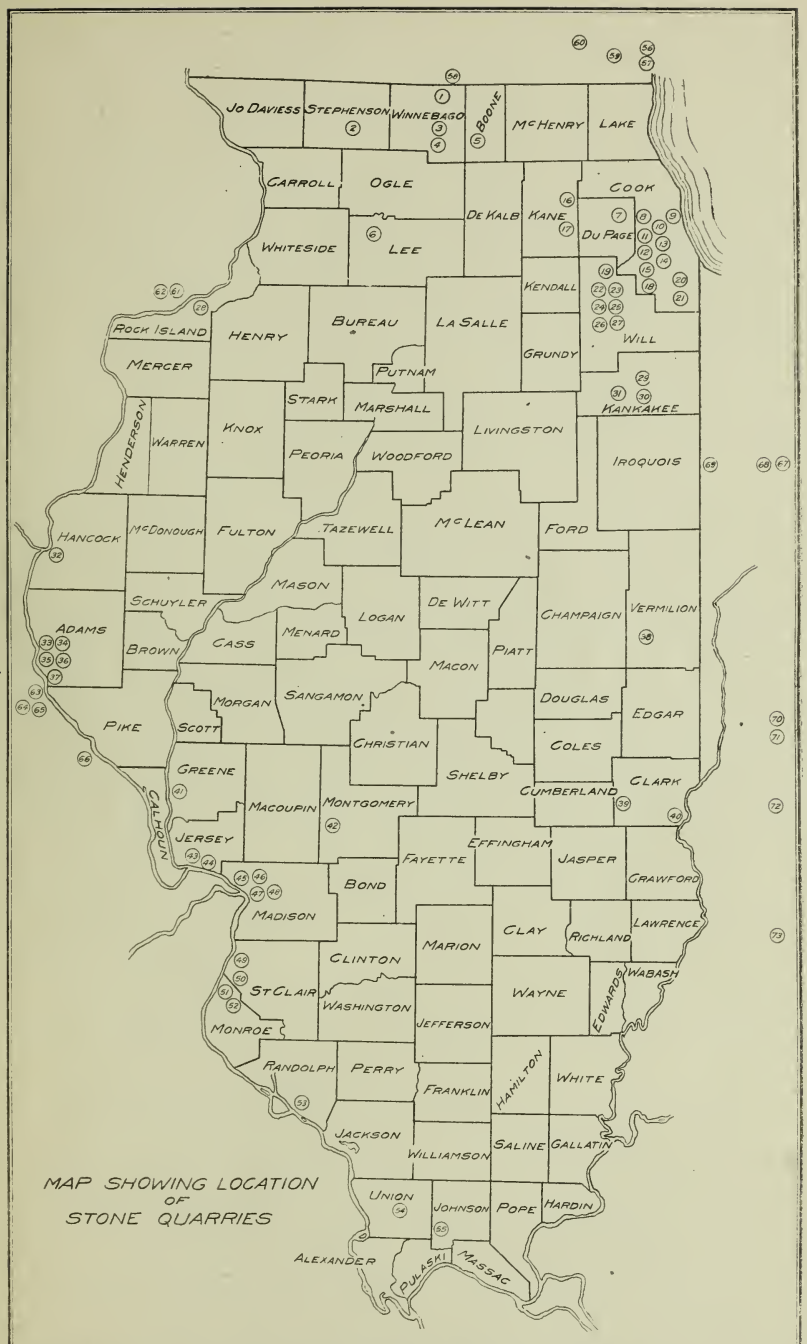


MAP SHOWING LOCATION OF STONE QUARRIES

## PREFACE.

The lack of local materials suitable for road construction in many sections of Illinois makes the knowledge of commercial deposits a matter of special importance to all concerned in highway construction. An effort has been made to compile in readily available form information regarding commercial deposits of road materials which have been brought to the attention of the Illinois State Highway Department during the past years. While this information is somewhat incomplete, it will undoubtedly be of much value to highway officials and contractors in Illinois.

## INTRODUCTION.

Road construction in Illinois is somewhat handicapped by the lack of suitable materials. Gravel pits and stone quarries are scarce in the central, eastern and southern portions of Illinois, and materials used in building hard surfaces on highways have to be shipped in, often from considerable distances. As these materials are very heavy and their transportation is expensive, it is necessary, in order to select properly the type of construction and to make satisfactory estimates, to have knowledge of the deposits of material which are most readily available and at lowest cost.

It should be noted in this connection that owing to wide variations in freight rates and to prohibitive switching rates, it is sometimes possible to obtain materials which have to be transported by rail for long distances, cheaper than materials from quarries or pits which are located within a few miles of the work. The necessity of hauling with teams for long distances will also often prohibit the use of certain materials.

The following lists of pits, quarries and other sources of road materials contain information regarding commercial deposits of road materials which have been brought to the attention of the Illinois State Highway Department during the past years. Owing to the large increase in highway construction, new deposits of road materials have been frequently opened during the past year, and a number of the pits and quarries have changed ownership repeatedly. For these reasons, the following information is somewhat incomplete and probably contains a few errors. In general, the information given has been obtained from the individual or company owning or operating the materials deposits.

A few deposits which are likely to become of commercial value, and some deposits which have been of commercial value in the past, but which for some reason have been closed, are included in this bulletin.

No attempt has been made, however, to include in these lists information regarding small deposits, and deposits so located that they are only of local value. There is no doubt, however, that many of the rock ledges, gravel beds, and sand banks of which little is known at the present time, contain some materials of satisfactory quality. A number of these deposits, especially those located where suitable materials are scarce, would be of much value if equipped with the necessary facilities for producing materials of the desired sizes and for making shipments by rail. It is essential in order to obtain economical road building, that before plans for highways are to be drawn, an endeavor be made to locate any deposits which may be found in the neighborhood. Local authorities may be of much assistance in highway work by securing this information and keeping it on record.

A number of counties through their board of supervisors have taken in the past year a step in the right direction in this matter, and have voted a small appropriation to be expended in taking borings from rock ledges, and in sinking caissons in gravel deposits. There is no doubt that where money appropriated for this purpose is expended properly, much valuable information should be obtained.

The laboratory of the State Highway Department is not at the present time in a position to make investigations to locate material deposits. As far as possible, however, it will assist public officials in ascertaining the quality of any new road material which has been located.

## CLASSIFICATION OF DEPOSITS.

The material deposits have been listed under the following classification:

(1) Sand and Gravel; (2) Crushed Stone; (3) Paving Bricks; (4) Portland Cement; (5) Miscellaneous Materials.

The materials in each class have been further divided according to their location in Illinois, or in neighboring states. Each deposit has been numbered, and this number is given on the maps showing the approximate location of the deposit, and also with the description of the deposit under each class of material. The pits are numbered from north to south, first in Illinois, following with the neighboring states. Only those deposits from which road materials have been shipped to Illinois in the past have been listed.

The small enclosed maps are intended to show only the approximate location of the deposits. To determine the shipping facilities from or to any given point, reference should be made to some large railroad map.

## SAND AND GRAVEL PRODUCERS FURNISHING MATERIALS FOR HIGHWAY WORK IN ILLINOIS.

### ILLINOIS.

No. 1. *South Beloit Pit.* The Great Western Sand & Gravel Co., with offices in the National Life Bldg., Chicago, Ill., owns and operates a large pit at South Beloit, Ill., in Winnebago County, just over the line from Beloit, Wis. This pit has shipping facilities on the Chicago, Milwaukee & St. Paul Railroad, and is located only a short distance from the Chicago & North Western Railroad. The plant is equipped with washing, screening, and crushing facilities, and has a capacity of approximately 1,500 cubic yards per day. The proportions of materials obtained from this pit are given as being approximately 50 per cent of gravel of various sizes, and 50 per cent of torpedo sand.

No. 2. *South Beloit Pit.* The Atwood-Davis Sand Co., with offices in the Merchants Loan & Trust Bldg., Chicago, Ill., owns and operates a pit located in Winnebago County, Illinois, one mile south of Beloit, Wis. This pit has shipping facilities on the Chicago & North Western Railroad, and switching connections with the Chicago, Milwaukee & St. Paul Railroad at Beloit, Wis. The plant is equipped with washing, screening, and crushing facilities for producing materials of various sizes. Its maximum daily capacity is given as 1,800 cubic yards, and its storage capacity as 50,000 yards.

No. 3. *Antioch Pit.* The American Sand & Gravel Co., with office at 907 Chamber of Commerce, Chicago, Ill., makes shipments of

sand and gravel from a pit located at Antioch, Ill., in Lake County. This pit has shipping facilities on the Southern Railroad, and the daily capacity of this pit is given as being 8 cars of torpedo sand and 5 cars of gravel.

No. 4. *Antioch Pit.* James A. Buckley, with office at 842 W. 55th St., Chicago, Ill., makes shipments of gravel from a pit located at Antioch, Ill., in Lake County. The capacity of this plant is given as being from 12 to 15 cars per day, with shipping facilities on the Southern Railroad.

No. 5. *Fox Lake Pit.* The Consumers' Company, with general offices in the Consumers' Company Bldg., State and Quincy Sts., Chicago, Ill., operates a gravel pit located at Fox Lake, Ill., in Lake County. This plant has shipping facilities on the Chicago, Milwaukee & St. Paul Railroad, and its daily capacity is given as being 25 cars of washed material.

No. 6. *Libertyville Pit.* The American Sand & Gravel Co., with offices at 907 Chamber of Commerce, Chicago, Ill., makes shipments of sand and gravel from a pit located at Libertyville, Ill., in Lake County. This pit has shipping facilities on the Chicago, Milwaukee & St. Paul Railroad, and the daily capacity of the plant is given as being 8 cars of torpedo sand and 4 cars of gravel.

No. 7. *Libertyville Pit.* The Lake County Gravel Co., with office at 812 Insurance Exchange Bldg., 175 W. Jackson Boul., Chicago, Ill., operates a pit located at Libertyville, Ill., in Lake County. This pit has shipping facilities on the Chicago, Milwaukee & St. Paul Railroad. The plant is equipped with crushers and screens, and its daily capacity is given as being approximately 600 cubic yards.

No. 8. *Algonquin Pit.* The American Sand & Gravel Co., with office at 907 Chamber of Commerce, Chicago, Ill., makes shipments of sand and gravel from Algonquin, Ill., in McHenry County. This plant has shipping facilities on the Chicago & North Western Railroad, and its daily capacity is given as being 18 cars of torpedo sand and 12 cars of gravel.

No. 9. *Algonquin Pit.* The Consumers' Company, with general offices in the Consumers' Company Bldg., State and Quincy Sts., Chicago, Ill., makes shipments of sand and gravel from Algonquin, Ill., in McHenry County. This pit has shipping facilities on the Chicago & North Western Railroad, and the capacity of the plant is given as being 20 cars of washed material per day.

No. 10. *Algonquin Pit.* The Lake Shore Sand Co., with offices at 1120-1121 Chamber of Commerce, Washington and LaSalle Sts., Chicago, Ill., operates a pit located between Algonquin and Crystal Lake, Ill., in McHenry County. This pit has shipping facilities on the Chicago & North Western Railroad. The plant is equipped with crushers and has facilities for screening and washing. The daily capacity of the plant is given as being 75 cars.

No. 11. *Algonquin Pit.* The Aetna Sand & Gravel Co., with office at Algonquin, Ill., operates a plant located also at Algonquin in McHenry County. It is reported that this pit has shipping facilities on the Chicago & North Western Railroad.

No. 12. *Algonquin Pit.* The Pyatt Gravel & Sand Co., with office at Algonquin, Ill., operates a plant located also at Algonquin in McHenry County. It is reported that this pit makes shipments to points on the Chicago & North Western Railroad.

No. 13. *Algonquin Pit.* Reinert Brothers, with office at Algonquin, Ill., operate a pit located also at Algonquin, in McHenry County. It is reported that this pit has shipping facilities on the Chicago & North Western Railroad.

No. 14. *Algonquin Pit.* The Ready-Ryan Sand & Gravel Co., with office at Algonquin, Ill., operates a plant located also at Algonquin in McHenry County. It is reported that this plant makes shipments to points on the Chicago & North Western Railroad.

No. 15. *Cary Pit.* The American Sand & Gravel Co., with offices at 907 Chamber of Commerce, Chicago, Ill., makes shipments of sand and gravel from a pit located at Cary, Ill., in McHenry County. This pit has shipping facilities on the Chicago & North Western Railroad, and the capacity of the plant is given as being 10 cars of torpedo sand and 5 cars of gravel per day.

No. 16. *Rockford Pit.* The Rockford Sand & Gravel Co., with office at 609 Trust Bldg., Rockford, Ill., owns sand and gravel pits located near Rockford, Ill., in Winnebago County. The plant is located directly on the Illinois Central, the Chicago, Burlington & Quincy, and the Chicago, Milwaukee & Gary Railroads, and it has switching connections with the Chicago & North Western and the Chicago, Milwaukee & St. Paul Railroads. It is equipped with washing and screening facilities, and its capacity is given as being approximately 40 cars per day.

No. 17. *Carpentersville Pit.* The American Sand & Gravel Co., with offices at 907 Chamber of Commerce, Chicago, Ill., makes shipments of sand and gravel from a pit located at Carpentersville, Ill., in Kane County. This pit has shipping facilities on the Chicago & North Western Railroad, and the capacity of the plant is given as being approximately 12 cars of torpedo sand and 8 cars of gravel per day.

No. 18. *Carpentersville Pit.* The Richardson Sand & Gravel Co., with offices at 921 Chamber of Commerce Bldg., Chicago, Ill., operates a plant located at Carpentersville, Ill., in Kane County. This pit has shipping facilities on the Chicago & North Western Railroad. The plant is equipped with crushers and with facilities for screening and washing. Its daily capacity is given as being approximately 35 cars.

No. 19. *Elgin Pit.* The A. Y. Reed Gravel Co., with offices at 12-14 Sherwin Bldg., Elgin, Ill., operates a plant located 1½ miles north of Elgin, Ill., in Kane County. This pit has shipping facilities on the Chicago & North Western Railroad. It is equipped with screens and has facilities for washing and crushing. Its capacity is given as being 50 cars per day.

No. 20. *Spaulding Pit.* The Chicago Gravel Co., with office at 1109 Fisher Bldg., Chicago, Ill., operates a plant located at Spaulding Station near Elgin, Ill., in Kane and Cook Counties. This pit has

shipping facilities on the Elgin, Joliet & Eastern and on the Chicago, Milwaukee & St. Paul Railroads.

No. 21. *Spaulding Pit.* The American Sand & Gravel Co., with office at 907 Chamber of Commerce, Chicago, Ill., makes shipments of sand and gravel from a pit located in Cook County near Spaulding, Ill. This pit has shipping facilities on the Chicago, Milwaukee & St. Paul and the Elgin, Joliet & Eastern Railroads. The daily capacity of the plant is given as being 12 cars of torepdo sand and 8 cars of gravel.

No. 22. *Coleman Pit.* The Esson Sand & Gravel Co., with office at 111 W. Washington St., Chicago, Ill., operates a pit located near Coleman, Ill., in Kane County, on the Illinois Central Railroad and the Aurora, Elgin & Chicago (electric) Railway.

No. 23. *Coleman Pit.* The Richardson Sand & Gravel Co., with office at 921 Chamber of Commerce, Chicago, Ill., operates a plant located at Coleman, Ill., in Kane County. This pit has shipping facilities on the Illinois Central Railroad. The plant is equipped with washing and screening facilities, and its daily output is given as being approximately 50 cars per day.

No. 24. *St. Charles Pit.* The Great Western Sand & Gravel Co., with offices in the National Life Bldg., Chicago, Ill., operates a pit located at St. Charles, Ill., in Kane County. This pit has shipping facilities on the Chicago Great Western Railroad. The plant is equipped with washing and screening facilities, and its capacity per day is given as being 1,000 cubic yards. Approximately one-half of this output is torpedo sand.

No. 25. *Oregon Pit.*—The Oregon Gravel Co., (A. W. Lehrke) with office at Oregon, Ill., operates a pit located near Oregon, Ill., in Ogle County. This pit has shipping facilities on the Chicago, Burlington & Quincy Railroad, and furnishes washed and screened material. Its capacity is given as being approximately 5 cars per day.

No. 26. *Worth Pit.* The Worth Sand & Gravel Co., with office at Worth, Ill., (Pronger Bros., Blue Island, Ill.) operates a pit located at Worth, Ill., in Cook County. This plant has shipping facilities on the Wabash Railroad, and is in a position to furnish washed sand and gravel. Its capacity is given as being approximately 400 yards per day.

No. 27. *Yorkville Pit.* The H. D. Conkey Sand & Gravel Co., with office at Mendota, Ill., owns and operates a gravel pit located between Yorkville and Oswego, Ill., in Kendall County. This pit has shipping facilities on the Chicago, Burlington & Quincy Railroad. The plant is equipped with screens and has facilities for washing and crushing. Its daily capacity is given as being approximately 15 cars.

No. 28. *Plainfield Pit.* The Chicago Gravel Co., with office at 1109 Fisher bld., Chicago, Ill., operates a pit located at Plainfield, Ill., in Will County. This pit has shipping facilities on the Elgin, Joliet & Eastern Railroad. The plant is equipped with screens and has washing and crushing facilities.

No. 29. *Joliet Pit.* The Chicago Gravel Co., with office at 1109 Fisher Bldg., Chicago, Ill., operates a plant located at Joliet, Ill., in Will County. Shipments can be made from this plant over the Rock Island Southern, the Atchison, Topeka & Santa Fe, the Chicago &

Alton, the Michigan Central, the Elgin, Joliet & Eastern, the Chicago, Milwaukee & Gary and the Chicago, Ottawa & Peoria Railroads.

No. 30. *Millsdale Pit.* The Illinois Gravel & Material Co., with office at Joliet, Ill., operates a pit located at Millsdale, Ill., in Will County. This pit has shipping facilities on the Chicago & Alton Railroad, and shipping connections at Joliet with the Atchison, Topeka & Santa Fe, the Chicago, Rock Island & Pacific, the Elgin, Joliet & Eastern and the Michigan Central Railroads. The plant is equipped with washing and screening facilities, and its capacity is given as being approximately 1,000 cubic yards per day.

No. 31. *Moline Pit.* The Moline Sand Co., with office at 310 15th St., Moline, Ill., operates a plant at Moline, Ill., in Rock Island County. This plant can ship on the Chicago, Rock Island & Pacific, the Chicago, Burlington & Quincy and the Chicago, Milwaukee & St. Paul Railroads. It is equipped with crushers and has washing and screening facilities. Its capacity is given as being 300 yards of material per day.

No. 32. *Rock Island Pit.* The Rock Island Sand & Gravel Co., with office at Rock Island, Ill., makes shipments of sand and gravel from material obtained in the Rock Island Harbor of the Mississippi River. This plant has shipping facilities on the Chicago, Rock Island & Pacific, the Chicago, Burlington & Quincy and the Chicago, Milwaukee & St. Paul Railroads. Its daily capacity is given as being approximately 400 yards, but it has no screening facilities.

No. 33. *Rock Island Pit.* The Interstate Material Co., with office at Davenport, Iowa, has a gravel plant on the Mississippi River at Rock Island, Ill., in Rock Island County. This plant has shipping facilities on the Chicago, Rock Island & Pacific Railroad. It has screening facilities, and its capacity is given as being from 600 to 800 yards per day.

No. 34. *Milan Pit.* The McCraney Sand & Gravel Co., with office at Davenport, Iowa, ships material from a plant located at Milan, Ill., in Rock Island County. This plant makes shipments on the Chicago, Rock Island & Pacific and the Rock Island Southern Railroads. Its capacity is given as being 1,000 yards per day of washed material.

No. 35. *Buda Pit.* The Galesburg Sand & Gravel Co., with offices at 424 Bank of Galesburg Bldg., Galesburg, Ill., operates a pit located at Buda, Ill., in Bureau County. This plant has shipping facilities on the Chicago, Burlington & Quincy Railroad. It has a daily capacity of approximately 400 cubic yards of bank-run gravel, containing approximately 40 per cent of sand and 60 per cent of gravel. This plant does not have the necessary facilities for the screening of the gravel into various sizes. It is reported to be in a position to furnish also gravel suitable for gravel roads.

No. 36. *Wyanet Pit.* F. G. Boyden, or Sheffield, Ill., furnishes sand and gravel from a pit located near Wyanet, Ill., in Bureau County. It is reported that this plant has shipping facilities on the Chicago, Rock Island & Pacilc Railroad.

No. 37. *Ottawa Pit.* The Moline Sand & Gravel Co., with office at 310 15th St., Moline, Ill., operates a plant at Ottawa, Ill., in LaSalle

County. This plant has shipping facilities on the Chicago, Rock Island & Pacific, the Chicago, Burlington & Quincy and the Chicago, Ottawa & Peoria Railroads. It is equipped with crushers and has washing and screening facilities. This plant is reported to have a capacity of 500 yards of material per day.

No. 38. *Ottawa Pit.* The Illinois Valley Sand Co., with office at Ottawa, Ill., operates a sand pit located 4 miles west of Ottawa in LaSalle County. This plant has shipping facilities on the Chicago, Rock Island & Pacific Railroad. Crushed and washed silica sand is furnished by this plant, and the total capacity of the 2 pits owned by this company is given as being 10 cars per day.

No. 39. *Ottawa Pit.* C. S. Ayers, with office at 702 Congress St., Ottawa, Ill., operates a sand and gravel pit located two miles northeast of Ottawa in LaSalle County. This plant has shipping facilities on the Chicago, Burlington & Quincy Railroad, and has connections also with the Chicago, Rock Island & Pacific Railroad and the Chicago, Ottawa & Peoria Electric Railway. It is equipped with crushers and screens. It has no washing facilities, but the material is reported to be clean. Its capacity is given as being about 200 yards per day.

No. 40. *Ottawa Pit.* The Ottawa Silica Co., with office at Ottawa, Ill., mines and ships sand at Ottawa, Ill., in LaSalle County. This plant has shipping facilities on the Chicago, Rock Island & Pacific and the Chicago, Burlington & Quincy Railroads. It produces white silica sand used principally in the manufacture of glass. This plant furnishes also the sand which is used for standard tests of cement. Its daily capacity is given as being approximately 100 yards per day.

No. 41. *Spring Valley Pit.* The Western Sand & Gravel Co., with office at Spring Valley, Ill., operates a pit located near Spring Valley in Bureau County. This plant has shipping facilities on the Chicago, Burlington & Quincy Railroad. All of the material from this pit is screened, and the plant is also equipped with facilities for washing. The daily capacity of the plant is given as being approximately 400 yards of road gravel, or approximately 200 yards of washed gravel.

No. 42. *Moronts Pit.* The H. D. Conkey Sand & Gravel Co., with office at Mendota, Ill., operates a sand and gravel plant located near Moronts, Ill., in Putnam County. This plant has shipping facilities on the New York Central and the Chicago, Milwaukee & St. Paul Railroads, and has joint rates to points on the Wabash, Big Four and the Chicago, Rock Island & Pacific Railroads. It has washing and screening facilities, and its daily capacity is given as being approximately 15 cars per day.

No. 43. *Lacon Pit.* The South Lacon Gravel & Sand Co., with office at Lacon, Ill., operates a pit located at Lacon, Ill., in Marshall County. It has washing and screening facilities, and can ship on the Chicago & Alton Railroad. Its daily capacity is given as being approximately 80 cubic yards.

No. 44. *Chillicothe Pit.* The Mackinaw Sand & Gravel Co., with office at Lincoln, Ill., owns and operates a pit located at Chillicothe, Ill., in Peoria County. This plant has shipping facilities on the Santa

Fe and Rock Island Railroads, and has also connections with the Minneapolis & St. Louis, the Chicago, Burlington & Quincy Railroads, and the Dwight branch of the Chicago & Alton Railroad, and the Streator branch of the Wabash Railroad. The plant is equipped with washing and screening facilities, and its capacity is given as being approximately 1,200 yards per day.

No. 45. *Gladstone Pit.* Terry & Lewis, with office at Galesburg, Ill., operate two sand pumps located at Gladstone, Ill., in Henderson County. This plant has shipping facilities on the Chicago, Burlington & Quincy Railroad. Its capacity is given as being approximately 25 cars per day. The material furnished consists mainly of sand which can be screened if desired.

No. 46. *East Peoria Pit.* The Peoria Washed Sand & Gravel Co., with office at Peoria, Ill., operates a plant located along the river bank at East Peoria, Ill., in Tazewell County. The plant is located on the Toledo, Peoria & Western Railroad, and has a switching rate of $5.00 per car to the connecting lines. It has screening equipment and its daily capacity is given as being approximately 800 yards.

No. 47. *Peoria Pit.* J. H. Garrard, with office at 106 N. Elmwood Ave., Peoria, Ill., operates a sand and gravel pit located near Peoria. The capacity of this pit is given as being approximately 100 cubic yards per day, but it is reported that the pit has no railroad connections or washing facilities.

No. 48. *Pekin Pit.* The Virginia Timber Co., with offices at 500-501 Pierick Bldg., Springfield, Ill., operates gravel pits located at Pekin, Ill., in Tazewell County. This plant has shipping facilities on the Atchison, Topeka & Santa Fe, the Big Four, the Chicago & Alton, the Illinois Central and the Chicago, Peoria & St. Louis Railroads. This company operates three adjacent pits with a total capacity given as 40 cars per day of pit-run gravel, and also approximately 40 cars per day of screened gravel and sand.

No. 49. *Mackinaw Pit.* The Mackinaw Sand & Gravel Co., with office at Lincoln, Ill., operates a plant located at Mackinaw, Ill., in Tazewell County. The plant makes shipments on the Illinois Traction System, and on the Big Four and the Vandalia Railroads. It is equipped with washing and screening facilities, and its daily capacity is given as being approximately 600 yards.

No. 50. *Gibson City Pit.* The Gibson Sand & Gravel Co., (Cooper Bros.) with office at Gibson City, Ill., operates a pit located at Gibson City in Ford County. This plant has shipping facilities on the Lake Erie & Western, the Illinois Central and the Wabash Railroads. It has washing and screening equipment, and its capacity is given as being approximately from 6 to 8 cars per day.

No. 51. *Saybrook Pit.* W. S. Youle owns a gravel pit located at Saybrook, Ill., in McLean County. It has shipping facilities on the Lake Erie & Western, but it is reported that this plant lacks the machinery necessary to handle a large amount of material.

No. 52. *Hamilton Pit.* The Hamilton Stone & Sand Co., with office at Hamilton, Ill., operates a sand plant located one mile southwest of Hamilton on the Mississippi River in Hancock County. This

plant has shipping facilities on the Toleda, Peoria & Western Railroad. All sand is washed and can be screened if desired. The capacity of the plant is given as being approximately 40 cars per day.

No. 53. *Lincoln Pit.* The Lincoln Sand & Gravel Co., with office at Lincoln, Ill., owns and operates a plant located at Lincoln in Logan County. This plant has shipping facilities on the Chicago & Alton and the Illinois Central Railroads, and on the Illinois Traction System. It also has rates to points on the Toledo, Peoria & Western, the Lake Erie & Western, the Baltimore & Ohio Southwestern, the Chicago & Illinois Midland, the Chicago, Hamilton & Dayton, the Vandalia, the Chicago, Peoria & St. Louis and the Chicago, Burlington & Quincy Railroads. It has modern washing and screening facilities, and its daily capacity is given as being approximately 50 cars.

No. 54. *Quincy Pit.* The Quincy Sand Co., with offices at Quincy, Ill., operates a sand plant on the Mississippi River at Quincy in Adams County. This plant can ship either on the Chicago, Burlington & Quincy or the Wabash Railroads. Its capacity is given as being approximately 10 cars per day.

No. 55. *Barry Pit.* The Barry Sand & Gravel Co., with office at Barry, Ill., operates a pit located approximately 3½ miles west of Barry in Pike County. This plant has shipping facilities on the Wabash Railroad. It has a modern washing and screening equipment, and its capacity is given as being approximately 20 cars per day.

No. 56. *Cowden Pit.* A large deposit of gravel has been reported to be available near Cowden in Shelby County. This deposit is approximately 5 miles from any railroad, and at this time the pit has not been opened. The prospects are, however, that this pit may be opened within a short time.

No. 57. *Palestine Pit.* The Neal Gravel Co., with office at Mattoon, Ill., operates a pit located at Palestine, Ill., in Crawford County. This plant has shipping facilities on the Illinois Central Railroad. Its capacity is given as being approximately 40 cars per day of road gravel. It is reported that modern washing and screening facilities are to be installed at this plant.

No. 58. *Alton Plant.* The Mississippi Sand Co., with offices at 1-2-3-4 Booth Bldg., Alton, Ill., operates sand pumps in the channel of the Mississippi River near Alton in Madison County. This plant has shipping facilities on the Chicago, Peoria & St. Louis Railroad, and has connections with the Chicago & Alton, the Big Four, the Illinois Terminal, the Chicago, Burlington & Quincy and the Wabash Railroads. Its capacity is given as being approximately 1,500 cubic yards of river sand per day.

No. 59. *Highland Pit.* The Stocker Gravel & Artificial Stone Co., with office at Highland, Ill., operates a gravel pit located approximately 1¼ miles northwest of Highland in Madison County. This plant has shipping facilities on the Vandalia Railroad. All material is washed and screened, and the daily capacity of the plant is given as being approximately 150 cubic yards.

No. 60. *East St. Louis Plant.* The Union Sand & Material Co., with offices in the Liggett Bldg., St. Louis, Mo., operates sand pumps

in the Mississippi River near East St. Louis, Ill., in St. Clair County. The capacity of this plant is given as being approximately 2,000 yards of river sand per day, with good facilities for prompt shipments.

No. 61. *Mt. Carmel Pit.* The Mt. Carmel Sand & Gravel Co., with office at Mt. Carmel, Ill., operates a sand and gravel plant on the Wabash River near Mt. Carmel in Wabash County. This plant has shipping facilities on the Southern and on the Big Four Railroads. Its daily capacity is given as being from 150 to 250 yards of screened material.

No. 62. *Mt. Carmel Plant.* The Mt. Carmel Elevator Co., with office at Mt. Carmel, Ill., operates a movable gravel plant along the Wabash and White Rivers close to Mt. Carmel. This plant has shipping facilities on the Southern and Big Four Railroads. It is in a position to screen the material, and its daily capacity is given as being approximately 300 yards.

No. 63. *Chester Plant.* The Yourtee-Roberts Sand Co., with office at 20 First State Bank bldg., Chester, Ill., operates a sand plant located on the Mississippi River at Chester in Randolph County. This plant has railroad connections with the St. Louis Iron Mountain & Southern, the Wabash, Chester & Western and the Illinois Southern. It furnishes washed and screened river sand, and its capacity is given as being 20 cars per day.

No. 64. *Tamms Plant.* The Novaculite Paving Co., with office at 5445 Page Ave., St. Louis, Mo., operates a plant located two miles north of Tamms, Ill., in Alexander County. It has shipping facilities on the Mobile & Ohio and also on the Chicago & Eastern Illinois Railroads. The material furnished by this company consists of novaculite, i. e., of cherty stone mixed with red clay. It is necessary to quarry this novaculite and to run it through a crusher. Either the crusher-run material, or material screened to various sizes can be furnished. The daily capacity is given as being approximately 1,200 yards.

No. 65. *Cairo Plant.* The H. H. Halliday Sand Co., with offices at 224-230 10th St., Cairo, Ill., operates a sand plant located on the Ohio River in the harbor at Cairo in Pulaski County. It has shipping facilities on the Illinois Central and the Big Four Railroads, and has also connections with the Mobile & Ohio, the Chicago & Eastern Illinois, the St. Louis Iron Mountain & Southern and the St. Louis Southwestern Railroads. Screens have been installed during the past year and all material is thoroughly washed. The capacity of this plant is given as being approximately 20 cars per day.

## WISCONSIN.

No. 66. *Janesville Plant.* The Janesville Sand & Gravel Co., with office at Janesville, Wis., operates a plant located at Janesville in Rock County, 13 miles from the Wisconsin-Illinois state line. This plant comprises three pits, one on the Chicago & North Western Railroad, and two on the Chicago, Milwaukee & St. Paul Railroad. The plant is equipped with crushers and furnishes screened gravel ranging in size from three-eights inches to 1¼ inches. The total capacity of

the three pits is given as being 105 cars per day. This plant ships material to the northern portion of Illinois.

No. 67. *Janesville Pit.* The Great Western Sand & Gravel Co., with office in the National Life Bldg., Chicago, Ill., operates a pit located near Janesville, Wis. This plant has shipping facilities on the Chicago & North Western and the Chicago, Milwaukee & St. Paul Railroads. This plant ships material into the northern portion of Illinois.

No. 68. *Waukesha Plant.* The Waukesha Lime & Stone Co., with office at Waukesha, Wis., operates a sand and gravel plant located at Waukesha, Wis. This plant has direct shipping connections with the Chicago, Milwaukee & St. Paul, the Chicago & North Western and the Southern Railroads. The material in the pit is unusually coarse and consequently has to be largely crushed. The daily capacity of washed and screened material is given as being approximately 3,000 yards. This plant ships to points in the northeastern section of Illinois.

## IOWA.

No. 69. *Dubuque Plant.* The Molo Sand & Gravel Co., with office at Dubuque, Iowa, operates a plant located on the Mississippi River at Dubuque, Iowa. It is reported to have made shipments of washed sand and gravel to points in northwestern Illinois.

No. 70. *Sabula Plant.* The Sabula Sand & Gravel Co., with office at Sabula, Iowa, operates a plant located at Sabula, Iowa, just across the river from Savanna, Ill. This plant makes shipments on the Chicago, Milwaukee & St. Paul Railroad. It has washing and screening facilities, and its daily capacity is given as being approximately 12 cars. This plant ships to points in the northwestern section of Illinois.

No. 71. *Davenport, Pit.* The Interstate Material Co., with office at Davenport, Iowa, operates a pit located in Davenport, Iowa. It has facilities for screening materials to the various sizes desired. It is reported that material from this plant is used in the northwestern section of Illinois.

## INDIANA.

No. 72. *South Bend Pit.* The Consumers Co., with offices in the Consumers Company Bldg., State and Quincy Sts., Chicago, Ill., makes shipments of gravel from a pit located at South Bend, Ind. This plant has connections with the New York Central Railroad, and its capacity is given as being 35 cars of washed material per day. This plant is reported to make shipments of materials to points in the eastern and northeastern portion of Illinois.

No. 73. *Lake Cicott Pit.* Million Bros., with office at Lake Cicott, Ind., operate a pit located near Lake Cicott. This plant is on the Pennsylvania Railroad, and has also connections with the Toledo, Peoria & Western. It has washing and screening facilities, and its capacity is given as being approximately 20 cars per day. This plant is reported to ship road gravel and screened material to points in the eastern portion of Illinois.

No. 74. *West LaFayette Pit.* The Lewisburg Stone Co., with office at West LaFayette, Ind., operates a gravel pit located near West LaFayette, Ind. The plant is on the Lake Erie & Western and has connections with the Big Four Railroad. The plant is equipped with screens, but has no facilities for washing. Its capacity is given as being approximately 35 cars per day. It is reported that some shipments of this material have been made to points in eastern Illinois.

No. 75. *LaFayette Pit.* The LaFayette Hydraulic Co., with office in the Orpheum Theatre Bldg., at LaFayette, Ind., operates a plant on the Monon near LaFayette, Ind. This plant is reported to have a daily capacity of 15 cars of washed material, and to make shipments on the Wabash, the Lake Erie & Western, the Big Four and the Monon Railroads.

No. 76. *Kickapoo Pit.* The Kickapoo Sand & Gravel Co., with office at Attica, Ind., operates a plant located near Kickapoo Station about 3½ miles north of Attica in Warren County, Ind. The plant is on the Chicago & Eastern Illinois Railroad, and has through rates to some points on connecting lines. It is equipped with crushers and has good washing and screening facilities. Its total capacity is given as being approximately 35 cars per day. It makes shipments of materials to points in eastern Illinois.

No. 77. *Attica Pit.* The Indiana Sand & Gravel Co., with offices at 1628 Otis Bldg., 10 S. LaSalle St., Chicago, Ill., operates a pit located approximately 2½ miles north of Attica, Ind. The plant is on the Chicago & Eastern Illinois Railroad. It is equipped with facilities for washing, crushing, and screening, and its capacity is given as being approximately 35 cars per day. It makes shpiments of material to points in eastern Illinois.

No. 78. *Attica Pit.* The Carmichael Gravel Co., with office at Williamsport, Ind., operates a plant located 2 miles south of Attica, Ind. The plant is on the Covington branch of the Wabash Railroad, and makes deliveries in Illinois on the Wabash Railroad, and also on the Chicago & Eastern Illinois, the Big Four and the Illinois Central Railroads. The plant is equipped with screening and washing facilities, and its capacity is given as being approximately 30 cars per day, of which 20 cars are gravel.

No. 79. *Attica Pit.* The Neal Gravel Co., with offices at Mattoon, Ill., operates a pit located near Attica, Ind. The plant is on the Wabash Railroad, and makes shipments also on the Illinois Central Railroad. It has washing and screening facilities, and its capacity is given as being 15 cars per day. It makes shipments of material to points in eastern Illinois.

No. 80. *Covington Pit.* The Neal Gravel Co., with offices at Mattoon, Ill., operates a pit located near Covington, Ind. The plant is on the P. & E. branch of the Big Four and shipments are made to points in eastern Illinois on the Big Four Railroad. The plant is equipped with washing and screening facilities, and its capacity is given as being approximately 25 cars per day.

No. 81. *Covington Pit.* The Interstate Sand & Gravel Co., with offices at 210-211 Rose Dispensary Bldg., Terre Haute, Ind., operates a

pit at Covington, Ind. The plant is on the Big Four Railroad and has rates to points in Illinois on connecting lines. It has modern crushing, washing and screening facilities, and its capacity is given as being approximately 800 yards per day.

No. 82. *Silverwood Pit.* The Neal Gravel Co., with offices at Mattoon, Ill., operates a pit located near Silverwood, Ind. The plant is on the Clover Leaf Railroad, and makes shipments in Illinois on the Clover Leaf and on the Chicago, Hamilton & Dayton Railroads. It has washing and screening facilities, and its capacity is given as being approximately 20 cars per day.

No. 83. *Cayuga Pit.* The Clover Leaf Gravel Co., with office at Cayuga, Ind., operates a pit located at Cayuga. The plant is on the Clover Leaf Railroad, and makes shipments to points in Illinois on the Clover Leaf and the Chicago & Eastern Illinois Railroads. The capacity of the plant is given as being from 4 to 5 cars per day, but it is reported that it has no washing or screening facilities.

No. 84. *Montezuma Pit.* The Wabash Sand & Gravel Co., with offices at 306 Trust Bldg., Terre Haute, Ind., operates a plant located at Montezuma, Ind. The plant is on the Chicago, Indianapolis & Western and makes shipments also on the Chicago & Eastern Illinois Railroad. The capacity of this plant is given as being 25 cars per day, but the plant is reported to have no screening or washing facilities.

No. 85. *Lewis Pit.* The Summit Sand & Gravel Co., with offices at 602-606 Trust Bldg., Terre Haute, Ind., operates a pit known as the Lewis Pit located one mile north of Summit Grove, Ind. It is on the Chicago & Eastern Illinois Railroad, and makes shipments to points in Illinois on the Chicago & Eastern Illinois and on the Chicago, Hamilton & Dayton Railroads. It is equipped with washing, crushing and screening facilities, and its capacity is given as being 35 cars per day.

No. 86. *Summit Grove Pit.* A. Miller & Sons, with office address R. F. D. No. 1, Clinton, Ind., operate a pit located at Summit Grove, Ind. The plant is located on the Chicago & Eastern Illinois Railroad, over which it makes shipments to points in eastern Illinois. The plant is equipped with washing and screening facilities, and its capacity is given as being approximately 400 yards of screened material and 600 yards of pit run gravel per day.

No. 87. *Terre Haute Pit.* The Summit Sand & Gravel Co., with office at 602-606 Trust Bldg., Terre Haute, Ind., operates a pit located at Terre Haute, Ind. This plant is on the Chicago, Terre Haute & Southeastern, inside the switching limit of Terre Haute, and shipments can be made on the Vandalia, the Big Four, the Chicago & Eastern Illinois, the Chicago, Hamilton & Dayton and the Chicago, Terre Haute & Southeastern Railroads. It is equipped with washing, crushing and screening facilities, and its daily capacity is given as being approximately 30 cars.

No. 88. *Terre Haute Pit.* The Wabash Sand & Gravel Co., with offices at 306 Trust Bldg., Terre Haute, Ind., operates a pit located at Terre Haute, Ind. The plant is on the Chicago, Terre Haute & Southeastern Railroad, inside the switching limit of Terre Haute, and shipments can be made to points in Illinois on the Big Four, the Vandalia,

the Chicago & Eastern Illinois and the Chicago, Terre Haute & Southeastern Railroads. It is equipped to wash and screen, and its capacity is given as being approximately 28 cars per day.

No. 89. *West Terre Haute Pit.* The Macksville Gravel Co., with office at Terre Haute, Ind., operates a pit located on Third Street in West Terre Haute, Ind. This plant makes shipments over the Vandalia, the Big Four, the Chicago & Eastern Illinois, the Chicago Terre Haute & Southeastern, and the Chicago, Hamilton & Dayton Railroads. It is equipped with washing and screening facilities, and its capacity is given as being approximately 500 yards per day.

No. 90. *Worthington Pit.* East & DeFrees, with office at Worthington, Ind., operate 2 pits, one located on the Vandalia known as the East & DeFrees Plant, and one on the Evansville & Indianapolis Railroad known as the Elliston Gravel Plant. Both plants have facilities for screening and washing, and the capacity of each pit is given as being approximately 20 cars per day.

No. 91. *Riverton Plant.* The Merom Gravel Co., with office at 504 American Central Life Bldg., Indianapolis, Ind., operates a pit located on the Wabash River at Riverton, Ind. This plant makes shipments on the Illinois Central Railroad, and has also rates to points on connecting lines. The capacity of this plant is given as being 800 to 1,200 yards per day of washed and screened material.

No. 92. *Vincennes Pit.* The Anderson-Theobald Co., with offices at Vincennes, Ind., operates a pit located in Allison Township, Lawrence County, Illinois. This plant makes shipments over the Baltimore & Ohio Southwestern Railroad. It is equipped with washing and screening facilities. Its capacity is given as being approximately 800 tons per day of road gravel, or of washed sand and washed gravel of small size.

No. 93. *Vincennes Plant.* P. W. Lehanan & Sons, with office at 1203 Busseron St., Vincennes, Ind., operate a plant on the Wabash River near Vincennes, Ind. This plant is equipped with screens, and its capacity is given as being approximately 500 cubic yards per day of river sand and river gravel. This plant has no railroad connections, but it is reported that railroad shipping facilities are to be provided within a short time.

No. 94. *Evansville Plant.* The Bedford-Nugent Co., with office at Evansville, Ind., operates a sand and gravel plant on the Ohio River near Evansville, Ind. This plant ships over the Louisville & Nashville, the Big Four, the Chicago & Eastern Illinois, the Southern, the Illinois Central, and the Evansville & Indianapolis Railroads. The plant is equipped with screens and its capacity is given as being approximately 20 cars per day.

No. 95. *Evansville Plant.* The Independent Sand & Gravel Co., with office at Evansville, Ind., operates a plant on the Ohio River near Evansville, Ind. This plant makes shipments on the Louisville & Nashville, the Big Four, the Chicago & Eastern Illinois, the Illinois Central and the Southern Railroads. Its capacity is given as being approximately 400 to 500 yards per day of washed and screened material, the gravel being mainly of small size.

No. 96. *Evansville Plant.* The Evansville Sand & Gravel Co., with office at Evansville, Ind., operates a plant on the Ohio River near Evansville, Ind. This plant has shipping facilities on the Louisville & Nashville, the Big Four, the Illinois Central, the Southern and the Chicago & Eastern Illinois Railroads. The material is dredged from the river and screened, and the capacity of the plant is given as being approximately 750 yards per day.

No. 97. *Mt. Vernon Plant.* The Evansville Sand & Gravel Co., with office at Evansville, Ind., operates a plant on the Ohio River near Mt. Vernon, Ind. This plant ships on the Louisville & Nashville, and on the Chicago & Eastern Illinois Railroads. The material is dredged from the river and screened. The capacity of the plant is given as being 500 yards per day.

MISSOURI.

No. 98. *Canton Plant.* The Canton Sand Co., of Canton, Mo., is reported to make shipments of river sand in western Illinois.

No. 99. *Hannibal Plant.* Geo. W. Camery, with office at Hannibal, Mo., operates a gravel plant near Hannibal, Mo. This plant is not connected with any railroads. It is reported that the capacity of the plant could be increased to 400 yards per day and shipments made to western Illinois points on the Wabash and Chicago, Burlington & Quincy Railroads.

No. 100. *Drake Plant.* The Union Sand & Material Co., with office in the Liggett Bldg., St. Louis, Mo., operates a plant located at Drake, Mo. This plant makes shipments on the Missouri Pacific, and its capacity is given as being approximately 1,800 yards per day of washed and screened Meramec sand and gravel.

No. 101. *Meramec Plant.* The Universal Sand Co., with offices in the Syndicate Trust Bldg., St. Louis, Mo., makes shipments of washed and screened Meramec River sand and gravel to points in western and southwestern Illinois.

No. 102. *Valley Park Pit.* The Continental Portland Cement Co., with offices in the Wright Bldg., St. Louis, Mo., operates a plant located at Valley Park, Mo. This plant makes shipments on the Missouri-Pacific and the Frisco Railroads. It has facilities for washing and screening, and its capacity is given as being 25 cars per day of Meramec River sand and gravel.

## CRUSHED STONE PRODUCERS FURNISHING MATERIALS FOR HIGHWAY WORK IN ILLINOIS.

ILLINOIS.

No. 1. *Rockton Quarry.* G. W. Martin, whose address is 533 Fisher Avenue, Rockford, Ill., owns quarries located at Rockton, Ill., in Winnebago County. These quarries are on the Chicago, Milwaukee & St. Paul Railroad. It is reported that they have not been operating during the past year, but that it is estimated there remains at least five million tons of rock available in this deposit.

No. 2. *Freeport Quarry.* Sanford & Zartman with office at Freeport, Ill., own a quarry located within the city limits of Freeport, Ill., in Stephenson County. At the present time this quarry has no railroad shipping facilities, but it adjoins the Illinois Central and it is stated that a switch could be readily built. The plant is equipped with a crusher and screens, and its capacity is given as being approximately 125 cubic yards per day.

No. 3. *Rockford Quarry.* The Carrico Stone Co., with office at Rockford, Ill., operates a quarry located at Rockford, Ill., in Winnebago County. The quarry is on the Chicago, Milwaukee & St. Paul Railroad, and can make shipments to points on the Chicago, Milwaukee & St. Paul, the Chicago, Burlington & Quincy, the Chicago & North Western, the Illinois Central and the Chicago, Milwaukee & Gary Railroads. The plant is equipped with screens and has a storage capacity of 50,000 yards.

No. 4. *Rockford Quarry.* Hart & Page, with office at 110 N. Court St., Rockford, Ill., operate a quarry located at Rockford in Winnebago County, Illinois. This quarry is on the Chicago, Milwaukee & St. Paul Railroad, and makes shipments to points on the Chicago, Milwaukee & St. Paul, the Chicago & North Western, the Chicago, Burlington & Quincy, the Chicago, Milwaukee & Gary, and the Illinois Central Railroads. It is equipped with screens, and its capacity is given as being 200 yards per day.

No. 5. *Belvidere Quarry.* The Electric Stone Co., with office at Belvidere, Ill., operates a quarry situated about 1 mile west of Belvidere, Ill., in Boone County. This quarry makes shipments on the Chicago & North Western Railroad, and also on the Rockford & Interurban Electric Railway. It is equipped with screens and its capacity is given as being approximately 150 yards per day.

No. 6. *Dixon Quarry.* W. H. Rink, with office at Dixon, Ill., operates a quarry known as the City Quarry near Dixon, Ill., in Lee County. At the present time this plant has no Railroad connections.

No. 7. *Elmhurst Quarry.* The Elmhurst-Chicago Stone Co., with offices at Elmhurst, Ill., operates a quarry located near Elmhurst, Ill., in DuPage County. This quarry is on the Chicago & North Western Railroad, but makes shipments also on the Chicago, Burlington & Quincy and the Elgin, Joliet & Eastern Railroads. It is equipped with screens and its capacity is given as being from 1,000 to 1,500 yards per day.

No. 8. *Hillside Quarry.* The A. C. O'Laughlin Co., with offices at 1019 Chamber of Commerce Bldg., Chicago, Ill., operates a large quarry located at Hillside, Ill., in Cook County. It makes shipments on the Illinois Central, the Chicago Great Western and the Indiana Harbor Belt Railroads, and the Aurora, Elgin & Chicago Electric Railway. The plant is equipped with screening facilities, and its capacity is given as being approximately 2,500 yards per day.

No. 9. *Chicago Quarry.* The Chicago Union Lime Works Co., with offices at 19th and Lincoln Sts., Chicago, Ill., operates a quarry located also at 19th and Lincoln Sts., Chicago, Ill. This plant makes shipment on the Chicago, Burlington & Quincy Railroad. It is

equipped with screens, and its capacity is given as being approximately 600 cubic yards per day.

No. 10. *Hawthorne Quarry.* The Dolese & Shepard Co., with offices at 108 South LaSalle St., Chicago, Ill., owns an old crushing plant located at Hawthorne, Ill. This plant is not in operation, and it is reported that this quarry is to be abandoned.

No. 11. *Lyons Quarry.* The Riverside Lime & Stone Co., with office at 131 W. 63d St., Chicago, Ill., operates a quarry located at Lyons, Ill., in Cook County. This plant has shipping facilities on the Chicago & Illinois Western Railroad. It is equipped with screens and can furnish material of all sizes.

No. 12. *LaGrange Quarry.* The Superior Stone Co., with offices at 326 W. Madison St., Chicago, Ill., operates a quarry located near LaGrange, Ill., in Cook County. This plant makes shipments on the Indiana Harbor Belt and the Baltimore & Ohio Chicago Terminal Railroads, both of which connect with all of the trunk lines operating in Chicago. It is equipped with screens, and its capacity is given as being 1,000 cubic yards per day.

No. 13. *McCook Quarry.* The Chicago Union Lime Works Co., with offices at 19th and Lincoln Sts., Chicago, Ill., operates a quarry located at McCook, near Summit, Ill., in Cook County. This plant ships on the Santa Fe, the Indiana Harbor Belt, and the Baltimore & Ohio Chicago Terminal Railroads. The plant is equipped with screens, and its daily capacity is given as being 1,000 yards.

No. 14. *McCook Quarry.* The United States Crushed Stone Co., with offices at 108 S. LaSalle St., Chicago, Ill., operates a large quarry located at McCook, Ill., in Cook County. This plant makes shipments over the Atchison, Topeka & Santa Fe; the Baltimore & Ohio Chicago Terminal, the Indiana Harbor Belt, and the Chicago & Illinois Western Railroads, which make direct connections with all Railroads in Illinois. It is equipped with screens, and its capacity is given as being approximately 5,000 yards per day.

No. 15. *Gary Quarry.* The Dolese & Shepard Co., with offices at 108 South LaSalle St., Chicago, Ill., operates a quarry located at Gary, Ill., in Cook County. This plant makes shipments on all trunk lines entering Chicago. This plant has good screening facilities, and its capacity is given as being 6,000 cubic yards per day.

No. 16. *South Elgin Quarry.* It is reported that the Elgin Crushed Stone & Sand Co., with office at Elgin, Ill., operates a quarry located near South Elgin, Ill., in Kane County.

No. 17. *Batavia Quarry.* It is reported that John Hendrickson, whose address is Batavia, Ill., operates a quarry located at Batavia in Kane County.

No. 18. *Lemont Quarry.* The Illinois Stone Co., with office at 29 S. LaSalle St., Chicago, Ill., operates a quarry located at Lemont, Ill., in Cook County. The plant is adjacent to the Chicago & Alton Railroad and the Chicago & Joliet Electric Railway. It is equipped with Screens, and its capacity is given as being approximately 2,000 yards per day.

No. 19. *Romeo Quarry.* The Joliet Crushed Stone Co., with office in Room 3, Auditorium Bldg., Joliet, Ill., operates a quarry located near Romeo, Ill., in Will County, approximately 7½ miles north of Joliet. The address of the office of the superintendent of the quarry is given as R. F. D. No. 6, Lockport, Ill. The plant is on the Chicago & Alton Railroad. It has 4 crushers and a large storage bin, and is equipped with screens. The capacity of the plant is given as being from 15 to 20 cars per day.

No. 20. *Franklin Station Quarry.* The Franklin Stone Co., (Pronger Brothers) with office at Blue Island, Ill., operates a quarry located at Franklin Station, between Harvey and Chicago Heights, Ill., in Cook County. It makes shipments on the Chicago & Interurban Traction Railroad, but has no connections with steam railroads. It is equipped with screens, and its capacity is given as being 300 yards per day.

No. 21. *Thornton Quarry.* The Brownell Improvement Co., with offices at 1,220 Chamber of Commerce Bld., Chicago, Ill., operates a quarry located at Thornton, Ill., in Cook County. This plant makes shipments on the Chicago & Eastern Illinois, the Chicago, Terre Haute & Southeastern, and the Baltimore & Ohio Chicago Terminal which makes direct connections with all trunk lines entering Chicago. It has a modern equipment with crushing, screening, and washing facilities, and its capacity is given as being approximately 5,000 yards per day.

No. 22. *Joliet Quarry.* The Contracting & Material Co., with office at 10 S. LaSalle St., Chicago, Ill., operates a quarry located at Joliet, Ill., in Will County. This plant makes shipments on the Elgin, Joliet & Eastern, the Chicago, Rock Island & Pacific, the Atchison, Topeka & Santa Fe, the Chicago, Milwaukee & Gary, the Chicago & Alton, and the Michigan Central Railroads. It is equipped with screens, and its capacity is given as being 1,000 cubic yards per day.

No. 23. *Joliet Quarry.* The Ideal Crushed Stone Co., with office at Joliet, Ill., operates a quarry located at Joliet, Ill., in Will County. This plant makes shipments on the Chicago & Alton, the Atchison, Topeka & Santa Fe, the Michigan Central, the Elgin, Joliet & Eastern, the Chicago, Rock Island & Pacific, and the Chicago, Milwaukee & Gary Railroads. It is equipped with screens, and its capacity is given as being 700 yards per day.

No. 24. *Joliet Quarry.* The Joliet Artificial Stone Co., with office at Joliet, Ill., operates a quarry located in the city of Joliet, Ill., in Will County. This plant makes shipments on the Chicago, Rock Island & Pacific Railroad. It is equipped with screens, and its daily capacity is given as being approximately 200 yards.

No. 25. *Joliet Quarry.* The National Stone Co., with office at Joliet, Ill., operates a quarry located also at Joliet, Ill., in Will County. This plant makes shipments on the Chicago & Alton, the Atchison, Topeka & Santa Fe, the Elgin, Joliet & Eastern, the Michigan Central and the Chicago, Milwaukee & Gary Railroads, the Chicago, Ottawa & Peoria Electric Railway, and connects also with the Wabash, the Illinois Central, and the Toledo, Peoria & Western Railroads. It is

equipped with screens, and its capacity is given as being approximately 2,500 cubic yards per day.

No. 26. *Joliet Quarry.* The State Penitentiary at Joliet, Ill., operates a quarry located at Joliet, Ill., in Will County, on the Elgin, Joliet & Eastern Railroad. Material may be shipped on the Chicago & Alton without switching charges, but on all other roads there is a switching charge. This plant screens material to 3 sizes as follows: Screenings consisting of material from ½ inch to dust; chips consisting of material from 1 inch to ½ inch; 2½-inch stone consisting of material from 1 inch to 2½ inches. No stone is sold at this plant, but material will be furnished to any township making a formal request for crushed stone on a form which may be obtained from the State Highway Department at Springfield, Ill. The capacity of the quarry of the State Penitentiary at Joliet averages approximately 12 cars per day.

No. 27. *Joliet Quarry.* The Western Stone Co., with offices at Joliet, Ill., operates a quarry located at Joliet, Ill., in Will County. This plant makes shipments on the Elgin, Joliet & Western, the Chicago & Alton and the Michigan Central Railroads. It is equipped with screens, and has a capacity of 1,500 yards per day.

No. 28. *Moline Quarry.* T. B. & S. S. Davis with office at Rock Island, Ill., operate a quarry located at Moline, Ill., in Rock Island County. This plant makes shipments on the Chicago, Rock Island & Pacific, the Chicago, Burlington & Quincy and the Chicago, Milwaukee & St. Paul Railroads. It has screening facilities, and its capacity is given as being approximately 150 yards per day.

No. 29. *Kankakee Quarry.* The McLaughlin, Cook Co., with offices on North Schuyler Ave., Kankakee, Ill., operates a quarry located within the city limits of Kankakee, Ill., in Kankakee County. This plant makes shipments over the Illinois Central, the Big Four and the Chicago, Indiana & Southern Railroads. It is equipped with screens, and its capacity is given as being approximately 500 yards per day. McLaughlin, Cook Co. are successors to the McLaughlin, Mateer Co.

No. 30. *Kankakee Quarry.* The West Side Quarry with office at 9 West Station St., Kankakee, Ill., operates a quarry located at Kankakee, Ill., in Kankakee County.

No. 31. *Lehigh Quarry.* The Lehigh Stone Co., with office at Kankakee, Ill., operates a quarry located at Lehigh, Ill., in Kankakee County. This plant makes shipments on the New York Central, the Big Four and the Illinois Central Railroads, and has also rates to points on connecting lines. The plant is equipped with screens and its daily capacity is given as being approximately 1,500 yards.

No. 32. *Hamilton Quarry.* The Hamilton Stone & Sand Co., with office at Hamilton, Ill., operates a quarry located south of Hamilton, Ill., in Hancock County. This plant makes shipments on the Wabash and on the Toledo, Peoria & Western Railroads and makes connections also with the Chicago, Burlington & Quincy Railroad. Its capacity is given as being approximately 10 cars per day of material crushed to the size desired.

No. 33. *Quincy Quarry.* The Marblehead Lime Co., with offices in the Masonic Temple, 159 North State St., Chicago, Ill., operates a quarry located at Quincy, Ill., in Adams County. This plant makes shipments on the Chicago, Burlington & Quincy and the Wabash Railroads. It is equipped with screens, and its capacity is given as being 200 yards per day.

No. 34. *Quincy Quarry.* William D. Meyer, with office at 301-315 Delaware St., Quincy, Ill., operates a quarry located 2½ miles south of Quincy in Adams County. This plant is on the Wabash and the Chicago, Burlington & Quincy Railroads. It has screening facilities, and its output is given as being approximately 200 yards per day.

No. 35. *Quincy Quarry.* The F. W. Menke Stone & Lime Co., with office at Quincy, Ill., operates quarries located about 2½ miles south of Quincy in Adams County. This plant has shipping facilities on the Chicago, Burlington & Quincy and the Wabash Railroads. It has screening facilities, and its capacity is given as being from 80 to 120 yards per day.

No. 36. *Quincy Quarry.* Roeder-Greemann Stone & Construction Co., with office at Quincy, Ill., operate a quarry located at Quincy, Ill., in Adams County.

No. 37. *Marblehead Quarry.* The Marblehead Lime Co., with offices in the Masonic Temple, 159 N. State St., Chicago, Ill., operates a quarry located at Marblehead, Ill., in Adams County. This plant makes shipments on the Chicago, Burlington & Quincy and the Wabash Railroads. It has some screening facilities, and its capacity is given as being approximately 100 yards per day.

No. 38. *Fairmount Quarry.* The Casparis Stone Co., with offices in the Clinton Bldg., Columbus, Ohio, operates a quarry located 1½ miles south of Fairmount, Ill., in Vermilion County. It makes shipments on the Chicago & Eastern Illinois Railroad. Its daily capacity is given as being from 7,000 to 10,000 yards per day. The majority of this stone is used for fluxing, but it is reported that several hundred yards per day of small stone could be furnished for highway purposes at this plant.

No. 39. *Casey Quarry.* The Casey Stone Co., with office at Casey, Ill., operates a quarry near Casey, Ill., in Clark County. It is reported that the quarry is 3 miles from the nearest railroad, and at the present time has no shipping facilities.

No. 40. *Union Quarry.* The Farmers Limestone Milling Co., with office at 107 N. Cross St., Robinson, Ill., operates a quarry located between W. York and Union, Ill., in Clark County. This plant makes shipments on the Big Four Railroad. It has some screening facilities, and its capacity is given as being approximately 150 yards per day.

No. 41. *Eldred Quarry.* John Brogan, with office at Eldred, Ill., operates a quarry located at Eldred, Ill., in Greene County. This plant makes shipments on the Chicago & Alton Railroad. Its capacity is given as being approximately 200 yards of material screened to any size desired.

No. 42. *Litchfield Quarry.* M. T. Kiggins, of Hillsboro, Ill., owns a quarry located one mile east of Litchfield, Ill., in Montgomery County. The plant is on the Big Four Railroad and on the Illinois Traction System. It is equipped with a set of screens, and its capacity is given as being approximately 400 yards per day. It is reported, however, that this plant is not in operation at the present time.

No. 43. *Grafton Quarry.* The Grafton Quarry Co., with office in the Wright Bldg., 207 N. 8th St., St. Louis, Mo., operates a quarry located at Grafton, Ill., in Jersey County. This plant makes shipments on the Chicago, Peoria & St. Louis Railroad. It has some screening facilities, and its capacity is given as being approximately 200 yards per day.

No. 44. *Elsah Quarry.* The Western Whiting Mfg. Co., with office at Elsah, Ill., operates a quarry located near Elsah, in Jersey County. This plant makes shipments on the Chicago, Peoria & St. Louis Railroad. It is equipped with screening facilities, and its capacity is given as being approximately 100 yards per day.

No. 45. *Alton Quarry.* The Harry Gissal Quarry Co., with office at Alton, Ill., operates a quarry located at Alton, in Madison County. This plant makes shipments on the Chicago, Peoria & St. Louis Railroad, and makes connections also with railroads at Alton and East St. Louis. It has some screening facilities, and its capacity is given as being approximately 200 yards per day.

No. 46. *Alton Quarry.* The Mississippi Sand Co., with offices at 1-2-3-4 Booth Bldg., Alton, Ill., operates a quarry located at Alton, in Madison County. It makes shipments on the Chicago, Peoria & St. Louis Railroad which connects directly with the Chicago & Alton, the Big Four, the Illinois Terminal, the Chicago, Burlington & Quincy and the Wabash Railroads. Its capacity is given as being approximately 400 yards per day.

No. 47. *Alton Quarry.* The Reliance Quarry & Construction Co., with office at 16th and Easton Sts., Alton, Ill., operates a quarry located at Alton, in Madison County. It makes shipments on the Chicago & Alton Railroad, and has direct switching connections with the Big Four, the Chicago, Burlington & Quincy, and the Chicago, Peoria & St. Louis Railroads, and also with the Missouri & Illinois Bridge & Belt Railroad, and the Illinois Terminal Railway. This plant has some screening facilities, and its capacity is given as being approximately 200 yards per day.

No. 48. *Alton Quarry.* C. F. Yeakel, whose address is 1952 Brown St., Alton, Ill., operates a quarry located at Alton, in Madison County. This plant is equipped with some screens, and its capacity is given as being approximately 70 yards per day. It is reported, however, that it has no shipping facilities on steam railroads.

No. 49. *Falling Springs Quarry.* The East St. Louis Stone Co., with offices in Room 255 Arcade Bldg., East St. Louis, Ill., operates a quarry located at Falling Springs, Ill., in St. Clair County, about 3 miles from the city limits of East St. Louis. This plant is on the Terminal Railroad inside of the East St. Louis switching district. It

has some screening facilities, and its capacity is given as being approximately 400 yards per day.

No. 50. *Stolle Quarry.* The Casper Stolle Quarry & Contracting Co., with offices in the Cahokia Bldg., East St. Louis, Ill., operates a quarry located at Stolle, Ill., in St. Clair County, about 12 miles west of Belleville and 7 miles south of East St. Louis. The plant is on the Illinois Central Railroad. Its capacity is given as being approximately 700 yards per day of crushed stone of all sizes.

No. 51. *Krause Quarry.* The Columbia Quarry Co., with offices at 710 Fullerton Bldg., St. Louis, Mo., operates a quarry located at Columbia, Ill., in Monroe County. This plant is on the Mobile & Ohio Railroad, which makes connections with all switching lines at East St. Louis. The Krause quarry has good screening facilities, and its capacity is given as being approximately 200 yards per day.

No. 52. *Columbia Quarry.* The Columbia Quarry Co., with offices at 710 Fullerton Bldg., St. Louis, Mo., operates a quarry located at Columbia, Ill., in Monroe County. This plant is on the Mobile & Ohio Railroad, which makes connections with all switching lines at East St. Louis. There are no crushing facilities at this quarry which furnishes only rip rap, dimension stone and spalls. Its capacity is given as being approximately 400 yards per day.

No. 53. *Chester Quarry.* The State Penitentiary at Chester, Ill., operates quarries located at Chester in Randolph County. The main quarry makes shipments on the Iron Mountain and the Illinois Southern Railroads, while another quarry loads directly on the Wabash, Chester & Western. Considerable material is sold from these quarries at the rate of 60c per cubic yard. Three sizes of stone are furnished, namely: Screenings consisting of material from ½ inch to dust; chips consisting of material from 1 inch to ½ inch; 2½-inch stone consisting of material from 2½ inches to 1 inch. The capacity of the quarries of the Southern Penitentiary averages approximately 2 cars per day. Crushed stone may be furnished to any township making a formal request on a standard form which may be obtained from the State Highway Department, Springfield, Ill.

No. 54. *Anna Quarry.* The C. F. Massey Co., with offices in the Peoples Gas Bldg., Chicago, Ill., operates a quarry located ½ mile east of Anna, Ill., in Union County on what is known as the Central Illinois Public Service Co. Electric Street Railway. It makes shipments on the Illinois Central Railroad. Its capacity is given as being approximately 400 yards per day of stone of various sizes.

No. 55. *Whitehill Quarry.* The Charles Stone Co., with office at Marion, Ill., operates a quarry located at Whitehill, Ill., in Johnson County. The plant is on the Chicago & Eastern Illinois Railroad, and its shipping station is Cypress, Ill. It makes shipments on the Chicago & Eastern Illinois, the Cleveland, Cincinnati, Chicago & St. Louis, the Chicago, Burlington & Quincy, the St. Louis, Iron Mountain & Southern, the Louisville & Nashville, and the southern Railroads. It has screening facilities, and the capacity of the plant is given as being approximately 800 yards per day.

## WISCONSIN.

No. 56. *Racine Quarry.* The Universal Crushed Stone Co., with offices at 29 S. LaSalle St., Chicago, Ill., operates quarries located at Racine, Wis. These plants make shipments on the Chicago & North Western, the Chicago, Milwaukee & St. Paul Railroads and on the Milwaukee Electric Railway & Light Co's. Railroad. The plants are equipped with screening facilities and their capacity is given as being approximately 2,000 cubic yards per day. Shipments are made to points in northern Illinois.

No. 57. *Racine Quarry.* The United States Crushed Stone Co., with offices at 108 S. LaSalle St., Chicago, Ill., operates a quarry located at Racine, Wis. This quarry makes shipments to points in northern Illinois.

No. 58. *Miscellaneous Granite Quarries.* The Wisconsin Granite Co., with offices at 1503 Lumber Exchange, Chicago, Ill., operates the following granite quarries in Wisconsin from which shipments are made to points in Illinois:

Beloit, Wis., on the Chicago, Milwaukee & St. Paul Railroad, with a capacity of 300 yards per day.

Utley, Wis., on the Chicago, Milwaukee & St. Paul Railroad, with a capacity of 200 yards per day.

Red Granite, Wis., on the Chicago & North Western Railroad, with a capacity of 600 yards per day.

Ableman, Wis., on the Chicago & North Western Railroad, with a capacity of 100 yards per day.

Montello, Wis., on the Southern Railroad, with a capacity of 150 yards per day.

Waupaca, Wis., on the Southern Railroad, with a capacity of 150 yards per day.

Materials of various sizes are produced in these quarries and are carried in stock.

No. 59. *Horlicksville Quarry.* The Racine Stone Co., with offices in the Corn Exchange Bank bldg., Chicago, Ill., operates a quarry at Horlicksville, Wis., northwest of Racine. This plant makes shipments over the Chicago, Milwaukee & St. Paul, and the Elgin, Joliet & Eastern Railroads. It has screening facilities, and its capacity is given as being 800 yards per day.

No. 60. *Waukesha Quarry.* The Waukesha Lime & Stone Co., with offices at Waukesha, Wis., operates quarries located at Waukesha, Wis. This plant makes shipments on the Chicago, Milwaukee & St. Paul, the Chicago & North Western, and the Southern Railroads. It has a capacity of approximately 1,000 yards per day of material screened to various sizes. This Company operates also a grinding plant having a capacity of approximately 250 tons per day of ground limestone used as filler in asphaltic concrete and sheet asphalt pavement. Material is shipped from this plant to points in northern Illinois.

## IOWA.

No. 61. *Linwood Quarries.* The Linwood Quarries Co., with offices at 706 Putnam Bldg., Davenport, Iowa, operates quarries located

8 miles west of Davenport, Iowa. It makes shipments to points in Illinois on the Chicago, Milwaukee & St. Paul, the Chicago, Rock Island & Pacific, and the Chicago, Burlington & Quincy Railroads. Its capacity is given as being approximately 400 yards per day of stone screened to various sizes. This plant makes shipments to points in northwestern Illinois.

No. 62. *Buffalo Quarry.* The Dolese Bros. Co., with offices at 10 South LaSalle St., Chicago, Ill., operates a quarry located at Buffalo, Iowa. This quarry makes shipments on the Chicago, Rock Island & Pacifiic and the Chicago, Milwaukee & St. Paul Railroads. Its daily capacity is given as being approximately 1,000 yards, and it is reported to have good screening facilities. This plant makes shipments to points in northwestern Illinois.

## MISSOURI.

No. 63. *Hannibal Quarry.* The Hannibal Lime Co., with office at Hannibal, Mo., operates a quarry located at Hannibal, Mo., on the St. Louis & Hannibal Railroad. Its capacity is given as being approximately 200 yards per day of crushed stone screened to various sizes. It makes shipments to points in western Illinois.

No. 64. *White Bear Quarry.* The Hannibal Lime Co., with office at Hannibal, Mo., operates a quarry at White Bear, Mo., 6 miles west of Hannibal. This plant makes shipments on the Chicago, Burlington & Quincy Railroad. Its capacity is given as being approximately 100 yards per day of crushed stone screened to various sizes. This plant makes shipments to points in western Illinois.

No. 65. *Hannibal Quarry.* Hueston-Bland Stone Co., with office at Hannibal, Mo., operates a quarry located also at Hannibal, Mo. This plant makes shipments on the Chicago, Burlington & Quincy and the Wabash Railroads. It has some screening facilities, and its capacity is given as being approximately 75 yards per day. This plant makes shipments to points in western Illinois.

No. 66. *Louisiana Quarry.* The Marblehead Lime Co., with offices in the Masonic Temple, 159 N. State St., Chicago, Ill., operates a quarry located at Louisiana, Mo., on the Chicago, Burlington & Quincy Railroad. It has some screening facilities, and its capacity is given as being approximately 200 yards per day.

## INDIANA.

No. 67. *Keeport Quarry.* The Ohio & Western Lime Co., with offices in the Citizens State Bank Bldg., at Huntington, Ind., operates a quarry located at Keeport, Ind., approximately 4 miles east of Logansport, Ind. This plant makes shipments to points in eastern Illinois on the Wabash Railroad. Its capacity is given as being approximately 1,200 yards per day of crushed stone of various sizes.

No. 68. *Kenneth Quarry.* The Casparis Stone Co., with offices in the Clinton Bldg., Columbus, Ohio, operates quarries located at Kenneth, Ind., 5 miles west of Logansport. It makes shipments on the Pennsylvania Lines, and also to points in eastern Illinois on the Van-

dalia and the Wabash Railroads. It is reported to have good screening facilities, and its capacity is given as being 3,500 yards per day.

No. 69. *Kentland Quarry.* The Newton County Stone Co., with office at Kentland, Ind., makes shipments of crushed stone to points in eastern Illinois.

No. 70. *Greencastle Quarry.* The A. & C. Stone & Lime Co., with offices at 17 N. Pennsylvania St., Indianapolis, Ind., operates a quarry located at Greencastle, Ind., on the Vandalia Railroad. It makes shipments to points in eastern Illinois on the Vandalia, the Chicago, Hamilton & Dayton, the Clover Leaf, and the Big Four Railroads. Its capacity is given as being approximately 800 yards per day of crushed stone of various sizes.

No. 71. *Greencastle Quarry.* The Ohio & Indiana Stone Co., with offices at 318 Traction Terminal Bldg., Indianapolis, Ind., operates a quarry located at Greencastle, Ind., on the Big Four Railroad. It makes shipments to points in eastern Illinois on the Big Four, the Toledo, St. Louis & Western, and the Chicago & Illinois Western Railroads. Its capacity is given as being from 30 to 40 cars per day of crushed stone screened to various sizes.

No. 72. *Spencer Quarry.* The Spencer Stone Co., with offices in Suite 504 American Central Life Bldg., Indianapolis, Ind., operates quarries located at Spencer, Ind. It makes shipments on the Vandalia and the Pennsylvania Railroads. Its capacity is given as being approximately 1,000 yards per day of crushed stone screened to various sizes.

No. 73. *Mitchell Quarries.* The Mitchell Lime Co., of Mitchell, Ind., operates quarries located also at Mitchell, Ind. One crushing plant is located on the Baltimore & Ohio Southwestern Railroad, and one plant is located on the Chicago, Indianapolis & Louisville Railroad. These plants are equipped with screening facilities to produce 4 sizes of stone, and their daily capacity is given as being approximately 500 yards per day. These plants ship material to points in eastern Illinois.

## BRICK COMPANIES FURNISHING PAVING BLOCKS FOR HIGHWAY WORK IN ILLINOIS.

### ILLINOIS.

No. 1. *Streator Plant.* The Barr Clay Co., with offices at Streator, Ill., operates a paving brick plant located about 2 miles south of Streator, Ill., in Livingston County. The Atchison, Topeka & Santa Fe, the New York Central and the Wabash Railroads have switches to this plant. Shipments are made also over the Chicago & Alton and the Chicago, Burlington & Quincy Railroads. This plant furnishes both repressed and wire-cut lug paving blocks, and its capacity is given as being approximately 180,000 paving bricks per day.

No. 2. *Galesburg Plant.* The Purington Paving Brick Co., with office at Galesburg, Ill., operates a plant located also at Galesburg, Ill., in Knox County. The plant is on the Chicago, Burlington & Quincy and the Atchison, Topeka & Santa Fe Railroads. It produces both

repressed and wire-cut lug blocks, and its capacity is given as being approximately 300,000 paving blocks per day.

No. 3. *East Peoria Plant.* F. R. Carter with office at 119 Bridge Street, Peoria, Ill., operates a plant located in East Peoria, Ill., in Tazewell County. It makes shipments on the Peoria & Pekin Union Railroad, which makes connections with all roads out of Peoria. It produces repressed paving blocks of two sizes, and its capacity is given as being 20,000 blocks per day.

No. 4. *Danville Plant.* The Danville Brick Co., with office at Danville, Ill., operates a plant located also at Danville, Ill., in Vermilion County. This plant makes shipments on the Big Four, the New York Central, the Chicago & Eastern Illinois and the Wabash Railroads. It produces repressed and wire-cut lug blocks, and its daily output is given as being approximately 65,000 blocks.

No. 5. *Springfield Plant.* The Springfield Paving Brick Co., with office at 206-7 Farmers' Bank Bldg., Springfield, Ill., operates a plant 1¼ miles southeast of Springfield, Ill., in Sangamon County. It makes shipments on the Baltimore & Ohio, the Wabash, the Chicago & Alton, the Illinois Central, and the Chicago, Peoria & St. Louis Railroads and the Illinois Traction System. Its capacity is given as being approximately 65,000 wire-cut lug blocks per day.

No. 6. *Alton Plant.* The Alton Brick Co., with office at Alton, Ill., operates a plant located also at Alton, Ill., in Madison County. It makes shipments on the Chicago & Alton, the Chicago, Peoria & St. Louis, the Chicago, Burlington & Quincy, the Big Four, the Pennsylvania, the Wabash and the Illinois Central Railroads. It produces wire-cut lug blocks almost exclusively, but makes also repressed blocks on orders. Its capacity is given as being approximately 60,000 paving blocks per day.

No. 7. *Albion Plant.* The Albion Shale Brick Co., with office at Albion, Ill., operates a plant located also at Albion, Ill., in Edwards County. It is on the Southern Railroad, and makes shipments on all connecting lines. This plant produces repressed and wire-cut blocks of various sizes. Its daily capacity is given as being approximately 50,000 blocks of standard size.

No. 8. *Albion Plant.* The Albion Vitrified Brick Co., with office at Albion, Ill., operates a plant located also at Albion, Ill., in Edwards County. It is on the Southern Railroad, and makes shipments on all connecting lines. Both repressed and wire-cut lug blocks are produced, and the daily capacity of the plant is given as being approximately 25,000 paving bricks.

No. 9. *Murphysboro Plant.* The Murphysboro Paving Brick Co., with office at Murphysboro, Ill., operates a plant located 2½ miles north of Murphysboro, Ill. It makes shipments on the Iron Mountain, the Mobile & Ohio and the Illinois Central Railroads. Its capacity is given as being approximately 60,000 paving bricks per day.

## MISSOURI.

No. 10. *St. Louis Plant.* The Hydraulic-Press Brick Co., with offices in the Central National Bank Bldg., St. Louis, Mo., operates

a plant located at St. Louis, Mo. It makes shipments on the Missouri Pacific and the St. Louis & San Francisco Railroads. It produces both repressed and wire-cut lug blocks, and the daily capacity is given as being approximately 100,000 paving blocks per day.

INDIANA.

No. 11. *Attica Plant.* C. E. Posten, with office at Attica, Ind., operates a plant located also at Attica, Ind. This plant is on the Wabash Railroad, and makes shipments on the Wabash and the Chicago & Eastern Illinois Railroads, and connecting lines. It manufactures repressed paving blocks, and its capacity is given as being from 25,000 to 30,000 blocks per day. This plant makes shipments to points in eastern Illinois.

No. 12. *Veedersburg Plant.* The Veedersburg Paver Company, with office at Veedersburg, Ind., operates a plant located also at Veedersburg. This plant makes direct shipments on the Big Four, the Clover Leaf and the Chicago & Eastern Illinois Railroads. It manufactures only two kinds of paving bricks, namely straight wire-cut and Dunn wire-cut blocks. Its capacity is given as being approximately 65,000 paving bricks per day.

No. 13. *Clinton Plant.* The Clinton Paving Brick Co., with office at Clinton, Ind., operates a plant located also at Clinton, Ind., on the Chicago & Eastern Illinois Railroad. It manufactures both wire-cut lug blocks and repressed blocks, and its capacity is given as being approximately 35,000 paving bricks per day. This plant makes shipments to points in eastern Illinois.

No. 14. *Brazil Plant.* The Indiana Paving Brick & Block Co., of Brazil, Ind., is reported to make shipments of paving blocks to points in eastern Illinois.

No. 15. *West Terre Haute Plant.* The Terre Haute Vitrified Brick Co., with office at 116 S. 6th St., Arcade Bldg., Terre Haute, Ind., operates a plant located at West Terre Haute, Ind. This plant is on the Vandalia Railroad, which has switching connections with the Chicago & Eastern Illinois, the Big Four, and the Chicago, Terre Haute & Southeastern Railroads. It manufactures both repressed and wire-cut lug blocks, and its capacity is given as being approximately 60,000 blocks per day.

No. 16. *Martinsville Plant.* The Martinsville Brick Co., with office at Martinsville, Ind., operates a plant located also at Martinsville, Ind. This plant makes shipments over the Vandalia and the Big Four Railroads. It manufactures repressed blocks, and its capacity is given as being approximately 30,000 pavers per day.

## CEMENT MANUFACTURING COMPANIES FURNISHING PORTLAND CEMENT FOR HIGHWAY WORK IN ILLINOIS.

There are only four Portland cement companies with mills located in Illinois. Three of these companies have mills located at LaSalle, Ill., namely, the Marquette Cement Manufacturing Co., furnishing Marquette Portland Cement and with offices in the Marquette

Building, Chicago, Ill.; the Lehigh Portland Cement Co., furnishing Lehigh Portland Cement and with offices in the Consumers Building, Chicago, Ill.; and the German-American Portland Cement Co., furnishing Owl Portland Cement, and located at LaSalle, Ill. The plant of the Lehigh Portland Cement Co., at LaSalle was formerly the property of the Chicago Portland Cement Co., and furnished Chicago AA Portland Cement. The fourth plant, furnishing Medusa Portland Cement, is located at Dixon, Ill., and operated by the Sandusky Portland Cement Co., with offices in the Engineers Building, Cleveland, Ohio. There is also a plant of natural cement located at Utica, Ill.

Shipments are made, however, to Illinois from a number of cement mills located in the neighboring states. The most important companies which ship Portland Cement to Illinois, are the Universal Portland Cement Co., furnishing Universial Portland Cement, with mills at Buffington, Ind., and offices at 210 S. LaSalle St., Chicago, Ill.; the Lehigh Portland Cement Co., furnishing Lehigh Portland Cement, with mills at Mitchell, Ind., and offices in the Consumers Building, Chicago, Ill.; the Atlas Portland Cement Co., furnishing Atlas Portland Cement, with mills at Hannibal, Mo., and offices in the Corn Exchange Building, Chicago, Ill.; the Continental Portland Cement Co., furnishing Continental Portland Cement, with mills at Continental, near St. Louis, Mo., and offices in the Wright Building, St. Louis, Mo.; the Union Sand & Material Co., furnishing Red Ring Portland Cement, with mills as Prospect Hill near St. Louis, Mo., and offices in the Liggett Building, St. Louis, Mo.; the Cape Girardeau Portland Cement Co., furnishing Eagle Portland Cement, and located at Cape Girardeau, Mo.; the Kosmos Portland Cement Co., furnishing Kosmos Portland Cement, with mills at Kosmosdale, Ky., and offices in the Paul Jones Building, Louisville, Kentucky; the Louisville Portland Cement Co., furnishing Speed Portland Cement, and located also at Louisville, Kentucy. The Wolverine Portland Cement Co., furnishing Wolverine Portland Cement, and with mills located at Coldwater, Michigan, is reported to make shipments in northern Illinois, especially in the Chicago district. The Chicago representative of this company is the Thomas Moulding Brick Co., 401 Chamber of Commerce, Chicago, Ill.

## MISCELLANEOUS MATERIALS AVAILABLE FOR HIGHWAY WORK IN ILLINOIS.

There are no commercial deposits of natural asphalt in Illinois. There are, however, a number of petroleum wells located mainly in the southern portion of the State. The companies operating them furnish some slightly refined products for road oiling purposes, and also some artificial asphalts for the various types of bituminous roads. The road oils and asphalts furnished by refiners and manufacturers located in this State represent, however, only a small portion of the bituminous materials used for road construction in Illinois. The light road oils are mainly Illinois, Kansas and Oklahoma products. The heavy road oils and asphalts consist of Mexican, California, Trinidad,

Bermudez, and of a number of materials obtained from petroleum residues of the Middle West by various processes, and so-called artificial asphalts. These products are sold on the market by a number of companies, the majority of which have offices in Chicago. The laboratory of the State Highway Department has on file the name and addresses of manufacturers or producers of various types of asphaltic materials and will furnish them on request. It has also information in regard to the production of other miscellaneous materials such as tars, creosotes, expansion joints, paints, etc.

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## LOCATION OF SAND AND GRAVEL DEPOSITS AND NAMES OF RAILROADS ON WHICH SHIPMENTS ARE MADE.

| Location of deposits. | Railroads. |
|---|---|
| Algonquin, Ill., Pit No. 8 | C. & N. W. |
| Algonquin, Ill., Pit No. 9 | C. & N. W. |
| Algonquin, Ill., Pit No. 10 | C. & N. W. |
| Algonquin, Ill., Pit No. 11 | C. & N. W. |
| Algonquin, Ill., Pit No. 12 | C. & N. W. |
| Algonquin, Ill., Pit No. 13 | C. & N. W. |
| Algonquin, Ill., Pit No. 14 | C. & N. W. |
| Alton, Ill., Plant No. 58 | C. P. & St. L. |
| Antioch, Ill., Pit No. 3 | Soo. |
| Antioch, Ill., Pit No. 4 | Soo. |
| Attica, Ind., Plant No. 77 | C. & E. I. |
| Attica, Ind., Plant No. 78 | Wabash. |
| Attica, Ind., Plant No. 79 | Wabash. |
| Barry, Ill., Pit No. 55 | Wabash. |
| Buda, Ill., Pit No. 35 | C. B. & Q. |
| Cairo, Ill., Plant No. 65 | I. C.; C. C. C. & St. L. |
| Carpentersville, Ill., Pit No. 17 | C. & N. W. |
| Carpentersville, Ill., Pit No. 18 | C. & N. W. |
| Cary, Ill., Pit No. 15 | C. & N. W. |
| Cayuga, Ind., Plant No. 83 | Clover Leaf. |
| Chester, Ill., Plant No. 63 | St. L. I. M. & Sou.; W. C. & W.; Ill. Sou. |
| Chillicothe, Ill., Plant No. 44 | A. T. & S. F.; C. R. I. & P. |
| Coleman, Ill., Pit No. 22 | I. C.; A. E. & C. (Electric). |
| Coleman, Ill., Pit No. 23 | I. C. |
| Covington, Ind., Plant No. 80 | C. C. C. & St. L. |
| Covington, Ind., Plant No. 81 | C. C. C. & St. L. |
| Davenport, Ia., Pit No. 71 | C. R. I. & P. |
| Drake, Mo., Plant No. 100 | Missouri Pacific. |
| Dubuque, Ia., Plant No. 69 | C. G. W.; I. C.; C. B. & Q. |
| East Peoria, Ill., Plant No. 46 | T. P. & W. |
| East St. Louis, Ill., Plant No. 60 | E. St. L. Terminal. |
| Elgin, Ill., Pit No. 19 | C. & N. W. |
| Evansville, Ind., Plant No. 94 | L. & N.; C. C. C. & St. L.; C. & E. I.; Soo; I. C. |
| Evansville, Ind., Plant No. 95 | L. & N.; C. C. C. & St. L.; C. & E. I.; Soo; I. C. |
| Evansville, Ind., Plant No. 96 | L. & N.; C. C. C. & St. L.; C. & E. I.; Soo; I. C. |
| Fox Lake, Ill., Plant No. 5 | C. M. & St. P. |
| Gibson City, Ill., Pit No. 50 | L. E. & W.; I. C.; Wabash. |
| Gladstone, Ill., Plant No. 45 | C. B. & Q. |
| Hamilton, Ill., Plant No. 52 | T. P. & W. |
| Hannibal, Mo., Plant No. 99 | Wabash; C. B. &. Q. |
| Highland, Ill., Pit No. 59 | Vandalia. |
| Janesville, Wis., Pit No. 66 | C. & N. W.; C. M. & St. P. |
| Janesville, Wis., Pit No. 67 | C. & N. W.; C. M. & St. P. |
| Joliet, Ill., Pit No. 29 | C. R. I. & P.; A. T. & S. F.; C. & A.; M. C.; E. J. & E.; C. M. & G.; C. O. & P. (Electric) |
| Kickapoo, Ind., Plant No. 76 | C. & E. I. |
| Lacon, Ill., Plant No. 43 | C. & A. |
| LaFayette, Ind., Plant No. 75 | Monon. |
| Lake Cicott, Ind., Plant No. 73 | Pennsylvania. |
| Lewis, Ind., Plant No. 85 | C. & E. I. |
| Libertyville, Ill., Pit No. 6 | C. M. & St. P. |
| Libertyville, Ill., Pit No. 7 | C. M. & St. P. |
| Lincoln, Ill., Pit No. 53 | C. & A.; I. C.; I. T. S. (Electric). |

| Location of deposits. | Railroads. |
|---|---|
| Mackinaw, Ill., Pit No. 49 | Vandalia; C. C. C. & St. L.; I. T. S. (Electric). |
| Meramec, Mo., Plant No. 101 | Missouri Pacific. |
| Milan, Ill., Pit No. 34 | C. R. I. & P. |
| Millsdale, Ill., Pit No. 30 | C. & A. |
| Moline, Ill., Plant No. 31 | C. R. I. & P.; C. B. & Q.; C. M. & St. P. |
| Montezuma, Ind., Plant No. 84 | C. I. & W. |
| Moronts, Ill., Pit No. 42 | N. Y. C.; C. M. & St P. |
| Mt. Vernon, Ind., Plant No. 97 | L. & N.; C. & E. I. |
| Mt. Carmel, Ill., Plant No. 61 | Soo; C. C. C. & St. L. |
| Mt. Carmel, Ill., Plant No. 62 | Soo; C. C. C. & St. L. |
| Oregon, Ill., Plant No. 25 | C. B. & Q. |
| Ottawa, Ill., Pit No. 37 | C. R. I. & P.; C. B. & Q.; C. O. & P. (Electric). |
| Ottawa, Ill., Pit No. 38 | C. R. I. & P. |
| Ottawa, Ill., Pit No. 39 | C. B. & Q. |
| Ottawa, Ill., Pit No. 40 | C. R. I. & P.; C. B. &. Q. |
| Palestine, Ill., Plant No. 57 | I. C. |
| Plainfield, Ill., Pit No. 28 | E. J. & E. |
| Pekin, Ill., Pit No. 48 | C. P. & St. L. |
| Quincy, Ill., Plant No. 54 | C. B. & Q. |
| Riverton, Ind., Plant No. 91 | I. C. |
| Rockford, Ill., Plant No. 16 | I. C.; C. B. & Q.; C. M. & G. |
| Rock Island, Ill., Plant No. 32 | C. R. I. & P.; C. B. & Q. |
| Rock Island, Ill., Plant No. 33 | C. R. I. & P. |
| Sabula, Iowa, Plant No. 70 | C. M. & St. P. |
| Saybrook, Ill., Pit No. 51 | L. E. & W. |
| Silverwood, Ind., Plant No. 82 | Clover Leaf. |
| South Beloit, Ill., Pit No. 1 | C. M. & St. P. |
| South Beloit, Ill., Pit No. 2 | C. M. & St. P.; C. & N. W. |
| South Bend, Ind., Pit No. 72 | N. Y. C. |
| Spaulding, Ill., Pit No. 20 | E. J. & E.; C. M. & St. P. |
| Spaulding, Ill., Pit No. 21 | E. J. & E.; C. M. & St. P. |
| Spring Valley, Ill., Pit No. 41 | C. B. & Q. |
| St. Charles, Ill., Pit No. 24 | C. G. W. |
| Summit Grove, Ind., Plant No. 86 | C. & E. I. |
| Tamms, Ill., Pit No. 64 | M. & O. |
| Terre Haute, Ind., Plant No. 87 | C. T. H. & S. E. |
| Terre Haute, Ind., Plant No. 88 | C. T. H. & S. E. |
| Valley Park, Mo., Plant No. 102 | Mo. Pac.; St. L. & S. F. |
| Vincennes, Ind., Plant No. 92 | B. & O. S. W. |
| Waukesha, Wis., Plant No. 68 | C. M. & St. P.; C. & N. W.; Soo. |
| West LaFayette, Ind., Pit No. 74 | L. E. & W. |
| West Terre Haute, Ind., Plant No. 89 | Vandalia. |
| Worthington, Ind., Plants No. 90 | Vandalia. |
| Worth, Ill., Pit No. 26 | Wabash. |
| Wyanet, Ill., Pit No. 36 | C. R. I. & P. |
| Yorkville, Ill., Pit No. 27 | C. B. & Q. |

## LOCATION OF ROCK QUARRIES AND NAMES OF RAILROADS ON WHICH SHIPMENTS ARE MADE.

| Location of quarries. | Railroads. |
|---|---|
| Alton, Ill., Quarry No. 45 | C. P. & St. L. |
| Alton, Ill., Quarry No. 46 | C. P. & St. L. |
| Alton, Ill., Quarry No. 47 | C. & A. |
| Anna, Ill., Quarry No. 54 | I. C. |
| Belvidere, Ill., Quarry No. 5 | C. & N. W.; Rockford & Interurban (Electric). |
| Buffalo, Iowa, Quarry No. 62 | C. R. I. & P.; C. M. & St. P. |
| Chester, Ill., Quarry No. 53 | St. L. I. M. & Sou; Ill. Sou. |
| Chicago, Ill., Quarry No. 9 | C. B. & Q. |
| Columbia, Ill., Quarry No. 52 | M. & O. |
| Eldred, Ill., Quarry No. 41 | C. & A. |
| Elmhurst, Ill., Quarry No. 7 | C. & N. W. |
| Elsah, Ill., Quarry No. 44 | C. P. & St. L. |
| Fairmount, Ill., Quarry No. 38 | C. & E. I. |
| Falling Springs, Ill., Quarry No. 49 | Terminal R. R. at East St. Louis, Ill. |
| Franklin Station, Ill., Quarry No. 20 | Chicago & Interurban Traction (Electric). |
| Freeport, Ill., Quarry No. 2 | I. C. |
| Gary, Ill., Quarry No. 15 | I. H. B.; B. & O. C. T. |
| Grafton, Ill., Quarry No. 43 | C. P. & St. L. |
| Greencastle, Ind., Quarry No. 70 | Vandalia. |
| Greencastle, Ind., Quarry No. 71 | C. C. C. & St. L. |
| Hamilton, Ill., Quarry No. 32 | Wabash; T. P. & W. |
| Hannibal, Mo., Quarry No. 63 | St. L. & H. |
| Hannibal, Mo., Quarry No. 65 | Wabash; C. B. & Q. |
| Hillside, Ill., Quarry No. 8 | I. C.; C. G. W.; I. H. B.; A. E. & C. (Electric). |

| Location of plants. | Railroads. |
|---|---|
| Horlicksville, Wis., Quarry No. 59 | C. M. & St. P.; C. & M. E. |
| Joliet, Ill., Quarry No. 22 | E. J. & E.; C. R. I. & P.; C. & A.; A. T. & S. F.; M. C.; C. M. & G. |
| Joliet, Ill., Quarry No. 23 | C. & A.; A. T. & S. F.; M. C.; E. J. & E.; C. R. I. & P.; C. M. & G. |
| Joliet, Ill., Quarry No. 24 | C. R. I. & P. |
| Joliet, Ill., Quarry No. 25 | C. & A.; A. T. & S. F.; C. M. & G.; C. R. I. & P.; E. J. & E.; M. C.; C. O. & P. (Electric). |
| Joliet, Ill., Quarry No. 26 | E. J. & E.; C. & A. |
| Joliet, Ill., Quarry No. 27 | M. C.; E. J. & E.; C. & A. |
| Kankakee, Ill., Quarry No. 29 | I. C.; C. C. C. & St. L.; C. I. & S. |
| Kankakee, Ill., Quarry No. 30 | I. C.; C. C. C. & St. L.; C. I. & S. |
| Keeport, Ind., Quarry No. 67 | Wabash |
| Kenneth, Ind., Quarry No. 68 | Pennsylvania. |
| Krause, Ill., Quarry No. 51 | M. & O. |
| LaGrange, Ill., Quarry No. 12 | I. H. B.; B. & O. C. T. |
| Lehigh, Ill., Quarry No. 31 | N. Y. C.; C. C. C. & St. L.; I. C. |
| Lemont, Ill., Quarry No. 18 | C. & A.; C. & J. (Electric). |
| Linwood Quarries (Iowa) No. 61 | C. M. & St. P.; C. R. I. & P. |
| Litchfield, Ill., Quarry No. 42 | C. C. C. & St. L.; I. T. S. (Electric). |
| Louisiana, Mo., Quarry No. 66 | C. B. & Q. |
| Lyons, Ill., Quarry No. 11 | C. & I. W. |
| McCook, Ill., Quarry No. 13 | A. T. & S. F. |
| McCook, Ill., Quarry No. 14 | A. T. & S. F.; B. & O. C. T.; I. H. B.; C. & I. W. |
| Marblehead, Ill., Quarry No. 37 | Wabash; C. B. & Q. |
| Mitchell, Ind., Quarries No. 73 | B. & O. S. W.; C. I. & L. |
| Moline, Ill., Quarry No. 28 | C. R. I. & P.; C. B. & Q.; C. M. & St. P. |
| Quincy, Ill., Quarry No. 33 | Wabash; C. B. & Q. |
| Quincy, Ill., Quarry No. 34 | Wabash; C. B. & Q. |
| Quincy, Ill., Quarry No. 35 | Wabash; C. B. & Q. |
| Racine, Wis., Quarries No. 56 | C. & N. W.; C. M. & St. P.; C. & M. (Electric). |
| Racine Wis., Quarry No. 57 | C. & N. W.; C. M. & St. P. |
| Rockford, Ill., Quarry No. 3 | C. M. & St. P. |
| Rockford, Ill., Quarry No. 4 | C. M. & St. P. |
| Rockton, Ill., Quarry No. 1 | C. M. & St. P. |
| Romeo, Ill., Quarry No. 19 | C. & A. |
| Spencer, Ind., Quarry No. 72 | Vandalia. |
| Stolle, Ill., Quarry No. 50 | I. C. |
| Thornton, Ill., Quarry No. 21 | C. & E. I.; C. T. H. & S. E; B. & O. C. T. |
| Union, Ill., Quarry No. 40 | C. C. C. & St. L. |
| Waukesha, Wis., Quarry No. 60 | C. M. & St. P; C. & N. W.; Sou. |
| Whitehall, Ill., Quarry No. 55 | C. & E. I. |
| White Bear, Mo., Quarry No. 64 | C. B. & Q. |
| Wisconsin Miscellaneous Granite Quarries No. 58. | C. M. & St. P.; C. & N. W.; Sou. |

## LOCATION OF PAVING BRICK MANUFACTURING PLANTS AND NAMES OF RAILROADS ON WHICH SHIPMENTS ARE MADE.

| Location of plants. | Railroads. |
|---|---|
| Albion, Ill., Plant No. 7 | Sou. and connections. |
| Albion, Ill., Plant No. 8 | Sou. and connections. |
| Alton, Ill., Plant No. 6 | C. & A.; C. P. & St. L. |
| Attica, Ind., Plant No. 11 | Wabash; C. & E. I. |
| Clinton, Ind., Plant No. 13 | C. & E. I. |
| Danville, Ill., Plant No. 4 | N. Y. C.; C. C. C. & St. L.; C. & E. I.; Wabash. |
| East Peoria, Ill., Plant No. 3 | P. & P. U. |
| Galesburg, Ill., Plant No. 2 | C. B. & Q.; A. T. & S. F. |
| Martinsville, Ind., Plant No. 16 | Vandalia; C. C. C. & St. L. |
| Murphysboro, Ill., Plant No. 9 | St. L. I. M. & Sou.; M. & O.; I. C. |
| Springfield, Ill., Plant No. 5 | B. & O.; I. T. S. (Electric). |
| Streator, Ill., Plant No. 1 | A. T. & S. F.; N. Y. C.; Wabash. |
| St. Louis, Mo., Plant No. 10 | Mo. Pac.; St. L. & S. F. |
| Veedersburg, Ind., Plant No. 12 | C. & E. I.; C. C. C. & St. L.; Clover Leaf. |
| West Terre Haute, Ind., Plant No. 15 | Vandalia and connections. |

# LIST OF RAILROADS AND CLASSIFICATION OF DEPOSITS ACCORDING TO THEIR LOCATION ON EACH RAILROAD.

| Railroad. | Material. | Location of deposit. |
|---|---|---|
| "Alton" (see Chicago & Alton). | | |
| Atchison, Topeka & Santa Fe | Sand and gravel | Chillicothe, Ill., Plant No. 44. |
| | Crushed stone | Joliet, Ill., Quarries Nos. 22–23–25. |
| | | McCook, Ill., Quarries Nos. 13–14. |
| | Paving bricks | Galesburg, Ill., Plant No. 2. |
| | | Streator, Ill., Plant No. 1. |
| Aurora, Elgin & Chicago (Electric) | Sand and gravel | Coleman, Ill., Pit No. 22. |
| | Crushed stone | Hillside, Ill., Quarry No. 8. |
| Baltimore & Ohio | Paving bricks | Springfield, Ill., Plant No. 5. |
| Baltimore & Ohio Chicago Terminal | Crushed stone | Gary, Ill., Quarry No. 15. |
| | | LaGrange, Ill., Quarry No. 12. |
| | | McCook, Ill., Quarry No. 14. |
| | | Thornton, Ill., Quarry No. 21. |
| Baltimore & Ohio Southwestern | Sand and gravel | Vincennes, Ind., Plant No. 88. |
| | Crushed stone | Mitchell, Ind., Quarry No. 73. |
| "Big Four" (see Cleveland, Cincinnati, Chicago & St. Louis). | | |
| Chicago & Alton | Sand and gravel | Joliet, Ill., Pit No. 29. |
| | | Lacon, Ill., Plant No. 43. |
| | | Lincoln, Ill., Pit No. 53. |
| | | Millsdale, Ill., Pit No. 30. |
| | Crushed stone | Alton, Ill., Quarry No. 47. |
| | | Eldred, Ill., Quarry No. 41. |
| | | Joliet, Ill., Quarries Nos. 22–23–25–26–27. |
| | | Lemont, Ill., Quarry No. 18. |
| | | Romeo, Ill., Quarry No. 19. |
| | Paving bricks | Alton, Ill., Plant No. 6. |
| Chicago, Burlington & Quincy | Sand and gravel | Buda, Ill., Pit No. 35. |
| | | Dubuque, Iowa, Plant No. 69. |
| | | Gladstone, Ill., Plant No. 45. |
| | | Hannibal, Mo., Plant No. 99. |
| | | Moline, Ill., Plant No. 31. |
| | | Oregon, Ill., Plant No. 25. |
| | | Ottawa, Ill., Pits No. 37–39–40. |
| | | Quincy, Ill., Plant No. 54. |
| | | Rockford, Ill., Plant No. 16. |
| | | Rock Island, Ill., Plant No. 32. |
| | | Spring Valley, Ill., Plant No. 41. |
| | | Yorkville, Ill., Plant No. 27. |
| | Crushed Stone | Chicago, Ill., Quarry No. 9. |
| | | Hannibal, Mo., Quarry No. 65. |
| | | Louisianna, Mo., Quarry No. 66. |
| | | Marblehead, Ill., Quarry No. 37. |
| | | Moline, Ill., Quarry No. 28. |
| | | Quincy, Ill., Quarries No. 33–34–35. |
| | | White Bear, Mo., Quarry No. 64. |
| | Paving bricks | Galesburg, Ill., Plant No. 2. |
| Chicago & Eastern Illinois | Sand and gravel | Attica, Ind., Plant No. 77. |
| | | Evansville, Ind., Plants No. 94–95–96. |
| | | Kickapoo, Ind., Plant No. 76. |
| | | Lewis, Ind., Plant No. 85. |
| | | Mt. Vernon, Ind., Plant No. 97. |
| | | Summit Grove, Ind., Plant No. 86. |
| | Crushed stone | Fairmount, Ill., Quarry No. 38. |
| | | Thornton, Ill., Quarry No. 21. |
| | | Whitehill, Ill., Quarry No. 55. |
| | Paving bricks | Attica, Ind., Plant No. 11. |
| | | Clinton, Ind., Plant No. 13. |
| | | Danville, Ill., Plant No. 4. |
| | | Veedersburg, Ind., Plant No. 12. |
| Chicago Great Western | Sand and gravel | Dubuque, Iowa, Plant No. 69. |
| | | St. Charles, Ill., Pit No. 24. |
| | Crushed stone | Hillside, Ill., Quarry No. 8. |
| Chicago & Illinois Western | Crushed stone | Lyons, Ill., Quarry No. 11. |
| | | McCook, Ill., Quarry No. 14. |
| Chicago, Indianapolis & Louisville | Sand and gravel | LaFayette, Ind., Plant No. 75. |
| | Crushed stone | Mitchell, Ind., Quarries No. 73. |
| Chicago, Indianapolis & Western | Sand and gravel | Montezuma, Ind., Plant No. 84. |
| Chicago, Indiana & Southern | Crushed stone | Kankakee, Ill., Quarries No. 29–30. |
| Chicago & Interurban Traction (Electric) | Crushed stone | Franklin Station, Ill., Quarry No. 20. |
| Chicago & Joliet (Electric) | Crushed stone | Lemont, Ill., Quarry No. 18. |
| Chicago, Milwaukee & Gary | Sand and gravel | Joliet, Ill., Pit No. 29. |
| | | Rockford, Ill., Plant No. 16. |
| | Crushed stone | Joliet, Ill., Quarries No. 22–23–25. |

| Railroad. | Material. | Location of deposit. |
|---|---|---|
| Chicago, Milwaukee & St. Paul | Sand and gravel | Fox Lake, Ill., Plant No. 5. |
| | | Janesville, Wis., Pits No. 66–67. |
| | | Libertyville, Ill., Pits No. 6–7. |
| | | Moline, Ill., Plant No. 31. |
| | | Moronts, Ill., Pit No. 42. |
| | | Sabula, Iowa, Plant No. 70. |
| | | South Beloit, Ill., Pits No. 1–2. |
| | | Spaulding, Ill., Pits No. 20–21. |
| | | Waukesha, Wis., Plant No. 68. |
| | Crushed stone | Buffalo, Iowa, Quarry No. 62. |
| | | Horlicksville, Wis., Quarry No. 59. |
| | | Linwood Quarries (Iowa) No. 61. |
| | | Racine, Wis., Quarries No. 56–57. |
| | | Rockford, Ill., Quarries No. 3–4. |
| | | Rockton, Ill., Quarry No. 1. |
| | | Waukesha, Wis., Quarry No. 60. |
| | | Wisconsin Miscellaneous Quarries No. 58. |
| Chicago & North Western | Sand and gravel | Algonquin, Ill., Pits No. 8–9–10–11–12–13–14. |
| | | Carpentersville, Ill., Pits No. 17–18. |
| | | Cary, Ill., Pit No. 15. |
| | | Elgin, Ill., Pit No. 19. |
| | | Janesville, Wis., Pits No. 66–67. |
| | | South Beloit, Ill., Pit No. 2. |
| | | Waukesha, Wis., Plant No. 68. |
| | Crushed stone | Belvidere, Ill., Quarry No. 5. |
| | | Elmhurst, Ill., Quarry No. 7. |
| | | Racine, Wis., Quarries No. 56–57. |
| | | Waukesha, Wis., Quarry No. 60. |
| | | Wisconsin Miscellaneous Granite Quarries No. 58. |
| Chicago, Ottawa & Peoria (Electric) | Sand and gravel | Joliet, Ill., Pit No. 29. |
| | | Ottawa, Ill., Pit No. 37. |
| | Crushed stone | Joliet, Ill., Quarry No. 25. |
| Chicago, Peoria & St. Louis | Sand and gravel | Alton, Ill., Plant No. 58. |
| | | Pekin, Ill., Pit No. 48. |
| | Crushed stone | Alton, Ill., Quarries No. 45–46. |
| | | Elsah, Ill., Quarry No. 44. |
| | Paving bricks | Alton, Ill., Plant No. 6. |
| Chicago, Rock Island & Pacific | Sand and gravel | Chillicothe, Ill., Pit No. 44. |
| | | Davenport, Ia., Plant No. 71. |
| | | Joliet, Ill., Pit No. 29. |
| | | Milan, Ill., Pit No. 34. |
| | | Moline, Ill., Pit No. 31. |
| | | Ottawa, Ill., Pits No. 37–38–49. |
| | | Rock Island, Ill., Plants No. 32–33. |
| | | Wyanet, Ill., Pits No. 36. |
| | Crushed stone | Buffalo, Iowa, Quarry No. 62. |
| | | Joliet, Ill., Quarries No. 22–23–24–25. |
| | | Linwood Quarries (Iowa) No. 61. |
| Chicago, Terre Haute & Southeastern | Sand and gravel | Moline, Ill., Quarry No. 28. |
| | Crushed stone | Terre Haute, Ind., Plants No. 87–88. |
| Cleveland, Cincinnati, Chicago & St. Louis | Sand and gravel | Thornton, Ill., Quarry No. 21. |
| | | Cairo, Ill., Plant No. 65. |
| | | Covington, Ind., Plants No. 80–81. |
| | | Evansville, Ind., Plants No. 94–95–96. |
| | | Mackinaw, Ill., Pit No. 49. |
| | | Mt. Carmel, Ill., Plants No. 61–62. |
| | Crushed stone | Greencastle, Ind., Quarry No. 71. |
| | | Kankakee, Ill., Quarries No. 29–30. |
| | | Lehigh, Ill., Quarry No. 31. |
| | | Litchfield, Ill., Quarry No. 42. |
| | | Union, Ill., Quarry No. 40. |
| | Paving bricks | Danville, Ill., Plant No. 4. |
| | | Martinsville, Ind., Plant No. 16. |
| | | Veedersburg, Ind., Plant No. 12. |
| Clover Leaf | Sand and gravel | Cayuga, Ind., Plant No. 83. |
| | | Silverwood, Ind., Plant No. 82. |
| | Paving bricks | Veedersburg, Ind., Plant No. 12. |
| East St. Louis Terminal | Sand and gravel | East St. Louis, Ill., Plant No. 60. |
| | Crushed stone | Falling Springs, Ill., Quarry No. 49. |
| Elgin, Joliet & Eastern | Sand and gravel | Joliet, Ill., Pit No. 29. |
| | | Plainfield, Ill., Pit No. 28. |
| | | Spaulding, Ill., Pit No. 20–21. |
| | Crushed stone | Joliet, Ill., Quarries No. 22–23–25–26–27. |
| "Frisco" (see St. Louis & San Francisco) | | |

| Railroad. | Material. | Location of deposit. |
|---|---|---|
| Illinois Central | Sand and gravel | Cairo, Ill., Plant No. 65. |
| | | Coleman, Ill., Pits No. 22-23. |
| | | Dubuque, Iowa, Plant No. 69. |
| | | Evansville, Ind., Plant No. 94-95-96. |
| | | Gibson City, Ill., Pit No. 50. |
| | | Lincoln, Ill., Pit No. 53. |
| | | Palestine, Ill., Plant No. 57. |
| | | Riverton, Ind., Plant No. 91. |
| | | Rockford, Ill., Plant No. 16. |
| | Crushed stone | Anna, Ill., Quarry No. 54. |
| | | Freeport, Ill., Quarry No. 2. |
| | | Hillside, Ill., Quarry No. 8. |
| | | Kankakee, Ill., Quarries No. 29 30. |
| | | Lehigh, Ill., Quarry No. 31. |
| | | Stolle, Ill., Quarry No. 50. |
| | Paving bricks | Murphysboro, Ill., Plant No. 9. |
| Illinois Southern | Sand and gravel | Chester, Ill., Plant No. 63. |
| | Crushed stone | Chester, Ill., Quarry No. 53. |
| Illinois Traction System | Sand and gravel | Lincoln, Ill., Pit No. 53. |
| | | Mackinaw, Ill., Pit No. 49. |
| | Crushed stone | Litchfield, Ill., Quarry No. 42. |
| | Paving bricks | Springfield, Ill., Plant No. 5. |
| Indiana Harbor Belt | Crushed stone | Gary, Ill., Quarry No. 15. |
| | | Hillside, Ill., Quarry No. 8. |
| | | LaGrange, Ill., Quarry No. 12. |
| | | McCook, Ill., Quarry No. 14. |
| "Iron Mountain" (see St. Louis, Iron Mountain & Southern). | | |
| Lake Erie & Western | Sand and gravel | Gibson City, Ill., Pit No. 50. |
| | | Saybrook, Ill., Pit No. 51. |
| | | West LaFayette, Ind., Plant No. 74. |
| Louisville & Nashville | Sand and gravel | Evansville, Ind., Plants No. 94-95-96. |
| | | Mt. Vernon, Ind., Plant No. 97. |
| Michigan Central | Sand and gravel | Joliet, Ill., Pit No. 29. |
| | Crushed stone | Joliet, Ill., Quarries No. 22-23-25-27. |
| Missouri Pacific | Sand and gravel | Drake, Mo., Plant No. 100. |
| | | Meramec (Missouri) Plant No. 101. |
| | | Valley Park, Mo., Plant No. 102. |
| Mobile & Ohio | Sand and gravel | Tamms, Ill., Pit No. 64. |
| | Crushed stone | Columbia, Ill., Quarry No. 52. |
| | | Krause, Ill., Quarry No. 51. |
| | Paving bricks | Murphysboro, Ill., Plant No. 9. |
| "Monon" (see Chicago Indianapolis & Louisville). | | |
| New York Central | Sand and gravel | Moronts, Ill., Pit No. 42. |
| | | South Bend, Ind., Pit No. 72. |
| | Crushed stone | Lehigh, Ill., Quarry No. 31. |
| | Paving bricks | Danville, Ill., Plant No. 4. |
| | | Streator, Ill., Plant No. 1. |
| Pennsylvania | Sand and gravel | Lake Cicott, Ind., Pit No. 73. |
| | Crushed stone | Kenneth, Ind., Quarry No. 68. |
| Peoria & Pekin Union | Paving bricks | East Peoria, Ill., Plant No. 3. |
| "Q" (see Chicago, Burlington & Quincy). | | |
| Rockford & Interurban | Crushed stone | Belvidere, Ill., Quarry No. 5. |
| "Rock Island" (see Chicago Rock Island & Pacific). | | |
| "Santa Fe" (see Atchison, Topeka & Santa Fe). | | |
| Southern | Sand and gravel | Antioch, Ill., Pits No. 3-4. |
| | | Mt. Carmel, Ill., Plants No. 61-62. |
| | | Waukesha, Wis., Plant No. 68. |
| | Crushed stone | Waukesha, Wis., Quarry No. 60. |
| | | Wisconsin Miscellaneous Granite Quarries No. 58. |
| St. Louis & Hannibal | Crushed stone | Hannibal, Mo., Quarry No. 63. |
| St. Louis, Iron Mountain & Southern | Sand and gravel | Chester, Ill., Plant No. 63. |
| | Crushed stone | Chester, Ill., Quarry No. 53. |
| | Paving bricks | Murphysboro, Ill., Plant No. 9. |
| St. Louis & Santa Fe | Sand and gravel | Valley Park, Mo., Plant No. 102. |
| | Paving bricks | St. Louis, Mo., Plant No. 10. |
| Toledo, Peoria & Western | Sand and gravel | East Peoria, Ill., Plant No. 46. |
| | | Hamilton, Ill., Plant No. 52. |
| | Crushed stone | Hamilton, Ill., Quarry No. 32. |
| Vandalia | Sand and gravel | Highland, Ill., Pit No. 59. |
| | | Mackinaw, Ill., Pit No. 49. |
| | | West Terre Haute, Ind., Plant No. 89. |
| | | Worthington, Ind., Plant No. 90. |
| | Crushed stone | Greencastle, Ind., Quarry No. 70. |
| | | Spencer, Ind., Quarry No. 72. |
| | Paving bricks | Martinsville, Ind., Plant No. 16. |
| | | West Terre Haute, Ind., Plant No. 15. |

| Railroad. | Material. | Location of deposit. |
|---|---|---|
| Wabash | Sand and gravel | Attica, Ind., Plants No. 78–89. |
| | | Barry, Ill., Pit No. 55. |
| | | Gibson City, Ill., Pit No. 59. |
| | | Hannibal, Mo., Plant No. 99. |
| | | Worth, Ill., Pit No. 26. |
| | Crushed stone | Hamilton, Ill., Quarry No. 32. |
| | | Hannibal, Mo., Quarry No. 65. |
| | | Keeport, Ind., Quarry No. 67. |
| | | Marblehead, Ill., Quarry No. 37. |
| | | Quincy, Ill., Quarries No. 33–34–35. |
| | Paving bricks | Attica, Ind., Plant No. 11. |
| | | Danville, Ill., Plant No. 4. |
| | | Streator, Ill., Plant No. 1. |

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